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Builders' Guide

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ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXXI., No. 1.

PHILADELPHIA, WEDNESDAY, JANUARY 5, 1916.

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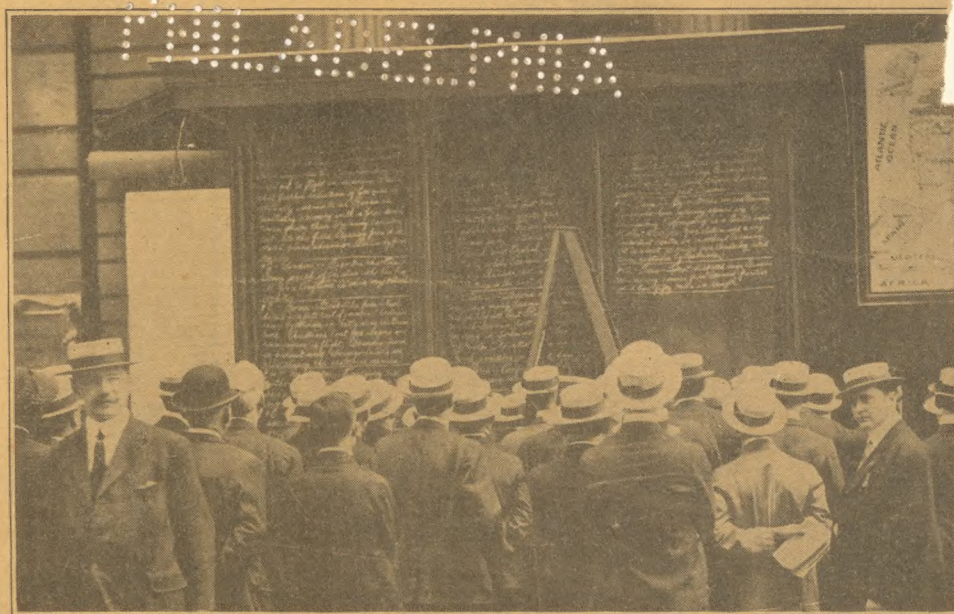
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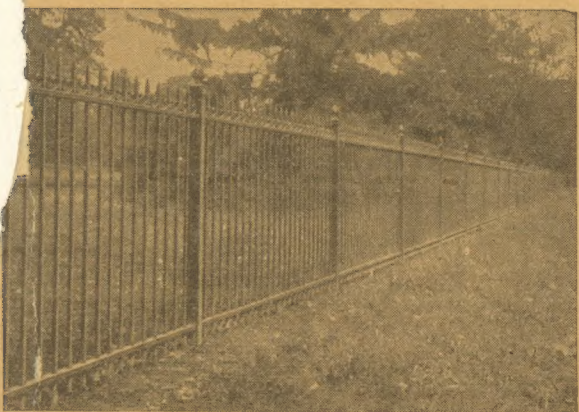
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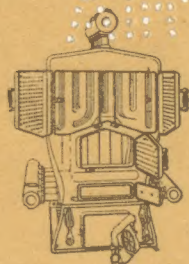
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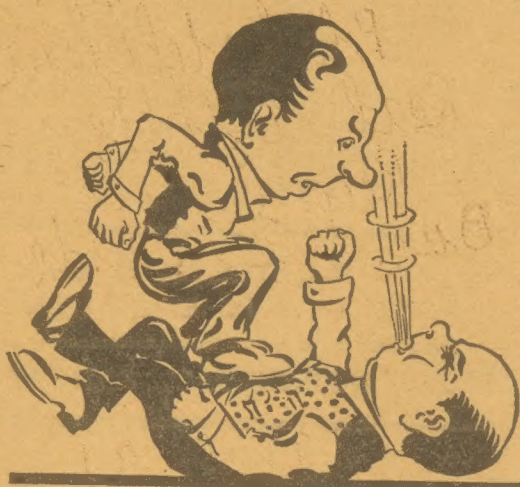
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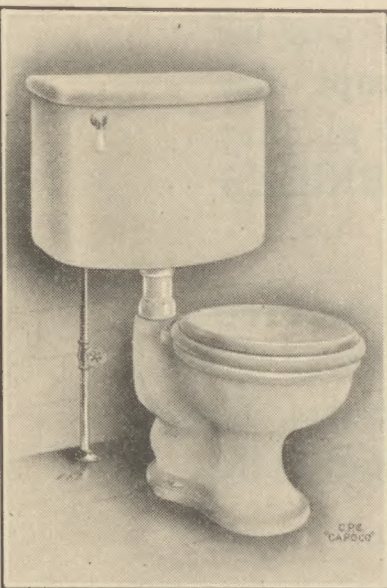
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THE PHILADELPHIA REAL ESTATE RECORD AND

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OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXXI., No. 1.

PHILADELPHIA, WEDNESDAY, JANUARY 5, 1916.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Theatre, Germantown avenue and Venango street. Architects, The Hoffman Co., Finance Building. Owner, J. Effinger, Forty-first and Lancaster avenue. Brick, concrete, terra cotta and steel, fireproof, 1 story, 130x145 feet, slag roof, electric lighting, steam heating, metal lath, dampproofing, tile and marble work. Architects taking bids, due January 5th. The following are figuring: H. P. Schneider, 3715 Old York road; Ketcham & McQuade, 1029 Brown street; Frank G. Stewart, 1619 Sansom street; Smith-Hardican Co., 1606 Cherry street; Freund-Siedenbach Co., Bulletin Building; O'Meara Construction Co., 253 South Quince street; Cramp & Co., Denckla Building; P. M. Sax, Heed Building; Lam Building Co., 1001 Wood street.

Freight Warehouse, Front and Federal sts., \$350,000. Architect, William H. Cookman, Broad Street Station. Engineers, A. C. Shand, Broad Street Station. Owners, Pennsylvania Railroad Co., Broad Street Station. Reinforced concrete, 4 stories, 60x400 feet, slag roof, steam heating, electric lighting, elevators, steel sash, waterproofing. Plans completed. Owners will advertise for bids as soon as plans have been approved by City.

Pier No. 46 (alts.), Delaware River. Architect, William H. Cookman, Broad Street Station. Owners, Pennsylvania Railroad Co., Broad Street Station. Frame and galvanized iron. Consists of alterations to pier and new bulkheads. Plans completed. Owners will advertise for bids as soon as plans have been approved by City.

Residences (2), Lincoln Drive. Architects, Van Voorhees & Harvey, Hale Building. Owner, Samuel Knockson, care of architects. Brick, 2½ stories, slate roofs, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in one week.

Garage, Wayne avenue, near Logan street, Philadelphia. Architect, private plans. Owners, Simons & Arnold, 1307 West Tioga street. Brick and steel, 1 story, 110x120 feet, slag roof, waterproofing. Reinforced concrete floors (heating, plumbing and electric work reserved). Owners taking bids, due January 3rd. The following are figuring: Frank G.

Stewart, 1619 Sansom street; James C. Driscoll, 1524 Chestnut street; Stacy Reeves & Sons, 2011 Market street; F. A. Havens & Co., 845 North Nineteenth street; George & Borst, 277 South Eleventh street, all of Philadelphia.

Fire House (alts.), Jackson and Van Kirk streets, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Robert D. Dripps, Director, City Hall. Composition flooring, metal lockers, cement paving (heating and plumbing separate bids). Lowest bid submitted by E. C. Durell, 1713 North Twenty-fourth street, Philadelphia, \$3,625.

Fire House (alts.), 319 Delancey street, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Robert D. Dripps, City Hall, Philadelphia. Brick and stone, 2 stories, consists of interior changes. Lowest bidder, E. C. Durell, 1713 North Twenty-fourth street, Philadelphia, \$1,395.

Church and Sunday School, Thirteenth and Rockland streets, Philadelphia, \$40,000. Architects, Neff & Thames, Heed Building, Philadelphia. Owners, Bishop Foss M. E. Church, Rev. Richard Turner, 5319 North Thirteenth street, Philadelphia. Stone, 1 story, 100x125 feet, slate roof, steam heating, electric lighting. Plans completed. Architects will take bids after January 1st.

Residence, Oak Lane Park, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 40x27 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Plans about completed. Architects will take bids in about two weeks.

Residence, Oak Lane, Philadelphia. Architects, Neff & Thames, Heed Building. Owner's name withheld. Stone and frame, 2½ stories, slate roof, hot water heating, electric lighting. Plans in progress.

Garages (3), Stenton, Philadelphia. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Frank Mauran, Land Title Building, Philadelphia. Stone, 2 stories, 23x22 feet each, slate and tile roofs, hot water heating, electric lighting. Owner taking bids, due January 12th. The following

are figuring: Specht & Sperry, Heed Building; John E. Walt, 204 East Willow Grove avenue; R. W. Neff, 6610 Germantown avenue; W. John Stevens, Wyncote, Pa.

Coal Yard, Abbotsford avenue and Pennsylvania Railroad. Architect, H. C. McMurtrie, 1012 Walnut street, Philadelphia. Owner, Ogden Peel, Bowman and East Cresson streets, Philadelphia. Consists of office building, garage, feed shed and coal pockets, brick and concrete, slate and slag roofs, electric lighting, reinforcing bars. Architect has received bids.

Residences (10), Arbutus street, near Lincoln drive. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owner, Robert Killough, Wayne avenue and Duval street. Stone, 3 stories, 22x36 feet each, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

Residences (28), Church street and Frankford avenue. Architect, private plans. Owner, B. Rubin, 3121 Frankford avenue, Philadelphia. Brick, 2 stories, 16x51 feet each, slag and tin roofs, hot air heating, gas lighting. Plans completed. Owners will take sub-bids about March 1st.

Residences (64), Larchwood avenue, Fifty-eighth to Fifty-ninth street, Philadelphia. Architect, private plans. Owner, Edward F. Gorman, Fifty-second and Arch streets. Brick, 2 stories, 15x45 feet, slag roofs, hot water heating, electric lighting, tile work, hardwood floors. Owner is ready for sub-bids.

Garage and Hall, Allegheny avenue and Rosehill street. Architect, private plans. Owner, Elmer Miller, 2737 North Front street, Philadelphia. Brick, 2 stories, slag roof, steam heating, electric lighting. Owner taking bids. H. Brocklehurst, 518 West Norris street, Philadelphia, is figuring.

Residence and Store (alts.), 2342 North Twentieth street, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, W. Morris, care of architects. Brick, 2 stories, consists of general alterations. Architects taking bids, due January 4th. The following are figuring: H. P. Schneider, 3715 Old York road; Lam Building Co., 1001 Wood street; Freund-Siedenbach

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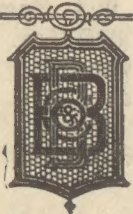
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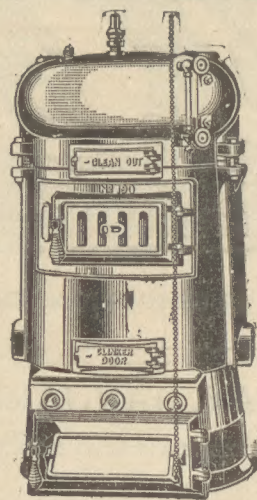
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Residences (50), Germantown. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner's name withheld. Brick, 2 stories, slag roofs, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Portable Schools (10), Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall. Frame, 1 story each. Owners taking bids, due January 6th at 2.30 P. M.

Plumbing and Heating, various schools, Philadelphia. Architect, J. Horace Cook, City Hall, Philadelphia. Owners, Board of Edu-

cation, City Hall. Consists of plumbing and heating for various schools. Owners taking bids, due January 6th at 2.30 P. M.

Residencies (55), Fifty-ninth and Market and Ludlow streets. Architect, private plans. Owners, Kenin & Shapiro, 6030 Market street, Philadelphia. Brick, 2 stories, slag roofs, steam and hot water heating, electric lighting, hardwood floors, tile work. Owners are taking sub-bids.

Residences (23), Sixty-first street, Wharton street to Baltimore avenue. Architect, private plans. Owner, Charles T. Hallowell, Fifty-ninth and Carpenter streets, Philadelphia. Brick, 2 stories, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Owner taking sub-bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory Buildings (3), Nicetown, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, George W. Blabon & Co., Nicetown, Philadelphia. Oxidizing house, brick and concrete, 79x23 feet, storage building, 4 stories, 71x45 feet, pump house, 2 stories, 45x37 feet, slag roofs, reinforcing bars. Contract awarded to H. C. Rea Co., 1027 Wood street, Philadelphia.

Factory Buildings, James and Farley sts., Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Abrasive Material Co., on premises. Brick, 2 stories, 232x90 feet, 1 story, 60x85 feet, additional story, 40x115 feet, slag roofs, fire doors, reinforced concrete, steel sash, metal doors, metal lath (lockers, plumbing, heating, electric work and elevators reserved). Contract awarded to A. R. Raff, 1655 Thompson street, Philadelphia.

Market House (alts.), Second and Brown streets, Philadelphia, \$9,000. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Works, City Hall. Frame, 1 story, slag and tin roof, rolling steel doors. Contract awarded to James Connor, 1317 Arch street, Philadelphia.

Shed and Storage Building, 911 North Ninth street. Architect, Frank E. Hahn, 1112 Chestnut street. Owners, Keystone Supply and Manufacturing Co., on premises. Brick and steel, 1 story, 60x100 feet, slag roof. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Saloon (alts.), northwest corner of Thirtieth and Appletree streets, \$5,000. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, T. O'Neill, care of architect. Consists of new front and interior alterations to first floor for bar, electric lighting, tile floors (bar fixtures reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Residence, Wynnefield, Pa. Architect, E. D. Salter, 4907 Wynnefield avenue, Philadelphia. Owner, E. F. Kurtz, 43 North Second street, Philadelphia. Stone, 2 1/2 stories, 44x46 feet, shingle roof (heating, plumbing and electric lighting reserved). Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

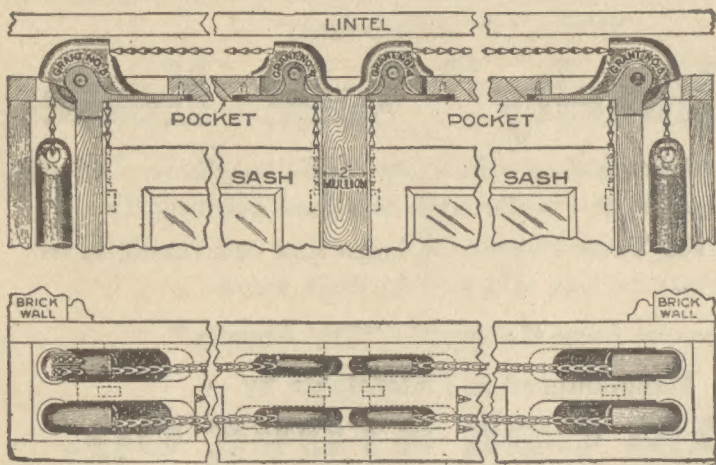
Store and Residence, Lawndale, Philadelphia, \$5,000. Architect, private plans. Owner, F. Gorstlauer, 106 Wyoming avenue, Philadelphia. Brick, 2 1/2 stories, slate roof, hot

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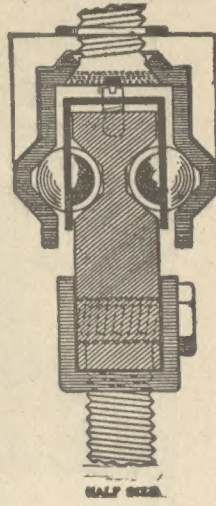
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water heating, electric lighting. Contract awarded to H. P. Schneider, 3715 Old York road.

Stores and Apartments, 5025 and 5027 Germantown avenue, Philadelphia. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owner's name withheld. Brick, stone trimmings, 3 stories, 37115 feet, slag roof, steam heating, electric lighting. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

Sewage Disposal Plant, Byberry, Philadelphia, \$22,000. Engineer, George S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Health and Charities, City Hall, Philadelphia. Concrete basins, wire cloth, asbestos shingle roof, proposal bond. Contract awarded to Daniel J. Lynch, 4127 Mantua avenue, Philadelphia.

Residence, Arrott and Horrocks streets, Frankford, \$8,000. Architects, Lackman & Murphy, Witherspoon Building, Philadelphia. Owner, Thomas K. Quirk, 1139 Herbert st., Frankford. Brick and stucco, 3 stories, 20x45 feet; 2 wings, tile roof, electric lighting, hot

water heating, hardwood floors, tile work. Contract awarded to Rush Brothers, 1100 Fillmore street, Philadelphia.

Employees' Building, Twenty-ninth and Bristol streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch sts., Philadelphia. Owners, American Pulley Co., on premises. Brick, concrete and steel, 2 stories, 100x38 feet, slag roof, metal lath, reinforcing bars, kalamein doors, safety treads, iron stairs, dampproofing, steel sash, terrazzo floors (heating, plumbing and electric work reserved). Contract awarded to Joseph Bechtel, Fifteenth and Race streets, Philadelphia.

Factory (add.), Tacony street, Philadelphia. Architect, private plans. Owners, Miller Lock Co., 4523 Tacony street, Philadelphia. Consists of machine shop, brick, 1 story, 100x200 feet; warehouse, reinforced concrete, 2½ stories, 75x250 feet, and concrete trestle, 250 feet long, slag roofs, metal sash (heating, electric work and elevators reserved). Contract awarded to Warren Moore Co., 520 Commercial Trust Building, Philadelphia.

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PENNSYLVANIA Construction News

Garage, Reading, Pa., \$20,000. Architect, William A. Fink, 426 Franklin street, Reading. Owners, Arcade Garage, care of William Young, Reading. Brick, stone and steel, 4 stories, 100x210 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing, reinforced concrete floors, freight elevator. Revised plans in progress.

Apartment House, Reading, Pa., \$12,000. Architect, William A. Fink, 426 Franklin street, Reading. Owner, E. F. Fleming, Reading, Pa. Brick, 3 stories, 40x120 feet, slag roof, steam heating, electric lighting, composition flooring, metal lath, dampproofing, dumb waiters. Plans in progress.

Residences (8), Reading, Pa., \$26,000. Architect, William A. Fink, 426 Franklin street, Reading. Owner's name withheld. Brick and stone, 3 stories, 20x80 feet each,

slate roofs, steam heating, electric lighting. Plans in progress.

Residence, Lebanon, Pa., \$9,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, C. Oscar Bressler, Lebanon, Pa. Stone and shingles, 2½ stories, 45x27 feet, shingle roof, hot air heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence, Wyomissing, Pa., \$12,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Max Mittendorff, Wyomissing, Pa. Brick, 2½ stories, 39x60 feet, slate roof, vapor heating, electric lighting, tile work, hardwood floors, metal lath. Plans in progress.

Church, Wofelsdorf, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Zion Evangelical Lutheran Church,

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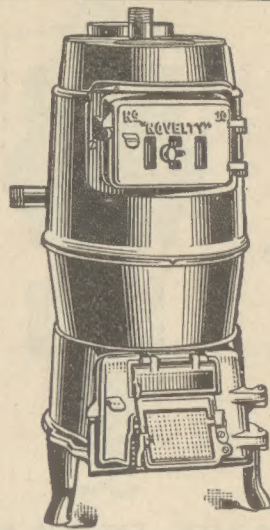
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Womelsdorf, Pa. Stone, 1 story, 130x43 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Rydal, Pa., \$30,000. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Dr. Henry C. Dimond, Rydal, Pa. Stone, timber and rough cast, 2½ stories, 40x100 feet. Plans in progress.

Institution Buildings, Spring City, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Eastern Pennsylvania State Institution for Feeble Minded and Insane, care of Henry F. Walton, Real Estate Trust Building, Philadelphia. Consists of four 2-story buildings, 2 dormitories, infirmary, administration building and connecting corridors. Brick, stone and terra cotta, slate and slag-roofs, metal lath, waterproofing, enameled bricks, metal weather strips, marble and terrazzo floors, iron stairs, safety treads (heating, plumbing and electric work separate bids). Lowest bidders: Charles D. Burns, Drexel Building, Philadelphia, \$265,111; F. H. Keiser & Co., Pottstown, Pa., \$283,711.

Residence, Ardmore, Pa. Architect's name withheld. Owner, William Maul Measey, Hale Building, Philadelphia. Stone and frame, 2½ stories. Details withheld. Plans in progress. Will soon take bids.

Residence, Easton, Pa., \$13,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, William Prellwitz, Easton, Pa. Brick and stucco, 2½ stories, 48x33 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Revised plans in progress.

Residence and Garage, Wynnewood, Pa. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Stone and frame, 2½ stories, 78x31 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Builders, H. E. Grau Co., 1707 Sansom street, Philadelphia, taking sub-bids, due January 12th.

Chapel, Rutledge, Pa. Architect, private plans. Owners, the Lutheran Synod, care of Rev. W. S. G. Bertolet, 1646 Jerome street, Philadelphia. Stone, 1 story, 30x50 feet, slate roof, hot air heating, electric lighting. Owners taking bids. Henry P. Schneider, 3715 Old York road, Philadelphia, is figuring (only bidder).

Residence and Garage, Wawa, Pa., \$60,000. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, George Wood, Wawa, Pa. Stone, 2½ stories, 32x69 feet;

wing, 60x28 feet, slate roof, hardwood floors, tile work (heating, plumbing and electric work reserved). Architects taking bids, due January 8th. Loes & Dothard, Commercial Trust Building; Jacob Myers & Sons Co., Witherspoon Building, and R. C. Ballinger & Co., 218 North Thirteenth street, all of Philadelphia, are figuring.

Residence and Garage, Haverford, Pa., \$40,000. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, J. Heron Cresman, Jr., 1230 Arch street, Philadelphia. Hollow tile and plaster, 2½ stories, 34x112 feet, slate roof, tile work, oak floors (hot air heating, plumbing and electric work reserved). Architects taking bids, due January 8th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; F. B. Davis, 240 North Sixteenth street; Metzger & Fisher, Denckla Building; James H. Wells, Heed Building, Philadelphia, Pa.; Gray Bros., Rosemont, Pa.; Frank H. Mahan, Ardmore, Pa.

Hotel, Delaware Water Gap, Pa., \$200,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owner, J. P. Cope, Atlantic City, N. J. Brick or hollow tile, 6 stories, steam heating, electric lighting, tile, composition and hardwood floors. Plans in progress.

Farm House (alt. and add.), Springfield, Pa. Architects, Savery, Siheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building, Philadelphia. Stone, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Architects taking bids, due January 7th. The following are figuring: A. Whitehead, Inc., 1624 Latimer street; Thomas C. Trafford, 1613 Sansom street, Philadelphia; W. Harry Roberts, Ardmore, Pa.; James H. Maguire, Wayne, Pa.; E. E. & A. L. Flounders, Media, Pa.

Residence (alt. and add.), Elkins Park, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 1 story addition, slate roof, hot water heating, electric lighting. Plans in progress. Architect will take bids in ten days.

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PENNSYLVANIA

Contracts Awarded

Residence, near Mendenhall, Pa., \$35,000. Architect, Robeson L. Perot, 34 South Seventeenth street, Philadelphia. Owner, Philip F. du Pont, Merion, Pa. Stone, 2½ stories, 114x25 feet; wing, 23x45 feet, green slate roof, tile work, oak floors, vacuum cleaning system (heating and electric work reserved). Contract awarded to Pomeroy Cons. Co., 1609 Ranstead street, Philadelphia.

Residence (alt. and add.), Malvern, Pa. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owner, George D. Rosengarten, 135 South Eighteenth street, Philadelphia. Stone, frame and plaster, 2½ stories. Consists of laundry, card room and servants' dining room, tile work, electric lighting. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Residence, Easton, Pa., \$20,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, W. Evans Chipman, Easton, Pa. Stone and frame, 2½ stories, 40x61 feet, shingle roof, vapor heating, electric lighting, tile work, hardwood floors. Contract awarded to William Snyder, Easton, Pa.

Bakery and Tea House (alt. and add.), Easton, Pa., \$6,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, Mrs. Matilda Felver, Easton, Pa. Stone and brick, 1-story, 20x56 feet, glass roof, steam heating, electric lighting. Contract awarded to Asa Smith & Son, Easton, Pa.

School Building, Darlington, Pa. Archi-

itects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, Glen Mills Schools, Bailey Building, Philadelphia. Hollow tile and paster, 1 story, 60x116 feet, slate roof, tile work, metal lath, waterproofing (heating and electric work reserved). Contract awarded to James B. Flounders, 1329 Arch street, Philadelphia.

Factory (alts.), Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, The Autocar Co., Ardmore, Pa. Consists of alterations to machine shop, metal sash, fire doors. Contract awarded to Loos & Dothard, Commercial Trust Building, Philadelphia.

Residence, Crestmont, Pa., \$12,000. Architect, Oliver Randolph Parry, 1731 Chestnut street, Philadelphia. Owners, Anna A. and Michael F. Dalton, Crestmont, Pa. Stone, 2½ stories, 32x48 feet, tile roof, tile work, hardwood floors (heating, plumbing and electric work separate bids). Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

Club House (alt. and add.), South Lawn-dale, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owners, Curtis Publishing Co., Sixth and Walnut streets, Philadelphia. Stone and plaster, 2½ stories, 50x200 feet, shingle roof, steam heating, electric lighting. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

NEW JERSEY

Construction News

Bungalow, Douglas Park, N. J., \$5,000. Architect, B. Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, Harvey C. Green, Atlantic City, N. J. Brick and frame, 1½ stories, 32x50 feet, German shingle roof, hot water heating, combination lighting, tile and hardwood floors, metal lath. Architect about ready for bids.

Residence, Atlantic City, N. J., \$5,000. Architect, B. Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, James A. Grist, 38 North Connecticut avenue, Atlantic

City, N. J. Brick and stone, 2½ stories, 18x40 feet, slag roof, hot water heating, combination lighting. Architect about ready for bids.

Residence, Ventnor, N. J., \$5,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, W. Lear, Atlantic City, N. J. Frame, 3 stories, 20x42 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors. Owner is sub-letting all contracts.

Bungalow, Sea View, N. J., \$5,000. Archi-



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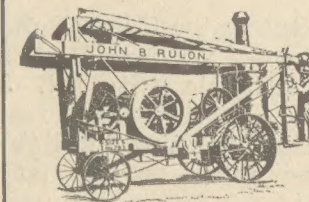
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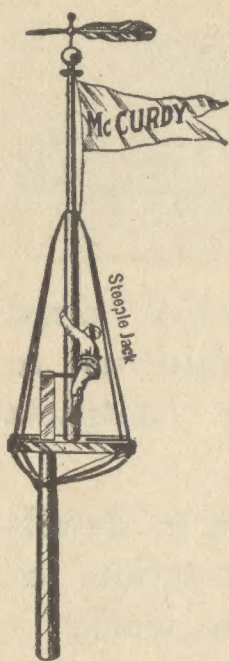
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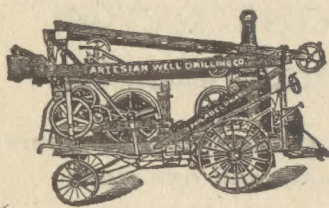
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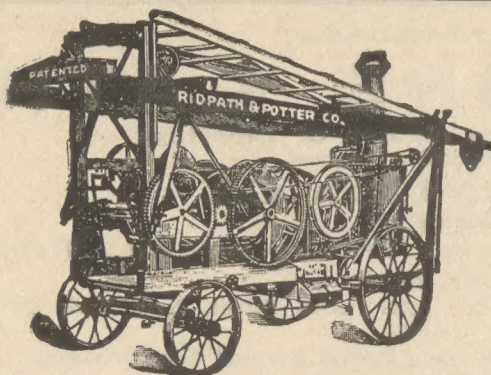
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teet, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, William Reutcher, Reutcher Hotel, Atlantic City, N. J. Hollow tile and stucco, 1½ stories, 32x40 feet, tile roof, hot water heating, combination lighting, tile and hardwood floors, metal lath, dampproofing. Owner is sub-letting all contracts.

Hotel (alt.), Pacific and Arkansas avenues, Atlantic City, \$7,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, Dr. R. B. Leidy, Hotel Elberon, Atlantic City. Frame, 1 additional story,



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58x36 feet, slate roof, electric lighting, tile floors. Architects taking bids.

Store and Apartments, Atlantic City, N. J., \$8,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City. Owner, Sarah Miller, 1225 Aristic avenue, Atlantic City. Brick, 3 stories, 25x75 feet, slag roof, hot water heating, combination lighting. Architects have received bids.

Fire House and Town Hall, Egg Harbor, N. J., \$12,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City. Owners, City of Egg Harbor, N. J. Brick, hollow tile and steel, 2 stories, 35x104 feet, slag roof, hot water heating, electric lighting and gas lighting, concrete floors. Owners taking bids.

Residence and Garage, Dover avenue and Beach, Atlantic City, \$12,000. Architect, Seward G. Dobbins, 1318 Atlantic avenue, Atlantic City. Owner, Mrs. Emily C. Calif, Atlantic City, N. J. Brick and frame, 3 stories, 30x48 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors, metal lath, dampproofing. Architect taking bids. Ellsworth E. Smith, 2809 Fairmount avenue, Atlantic City, N. J., is figuring (only bidder).

Apartments and Stores, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner's name withheld. Brick and stone, 5 stories, slag roof, hot water heating, electric lighting, elevator. Architect taking bids, due January 15th. The following are figuring: W. G. Taylor & Son, Charles D. Thompson, Philip G. Hannum, all of Atlantic City, N. J., and Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Apartment House, Atlantic City, N. J., \$25,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Stone, steel, terra cotta, reinforced concrete and brick, 4 stories, 45x100 feet, slag roof, hot water heating, combination lighting, tile floors, metal lath, waterproofing and dampproofing, elevator, skylights, wire glass. Plans in progress.

Store and Apartments, Roebling, N. J., \$10,000. Architect, R. A. Shuman, 341 Tyler avenue, Trenton. Owners, Stern Bros., Roebling, N. J. Brick, 3 stories, 25x150 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing. Architect taking bids.

Garage, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics' Building. Owner, Roger Henry, 216 North Broad street, Trenton. Brick, 2 stories, 41x118 feet, slag roof, steam heating, electric lighting, concrete floors. Architect ready for bids.

Club House, Salem, N. J., \$10,000. Archi-

teets, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Royal Order of Moose, Old Oak Lodge, Salem, N. J. Brick, stone trimmings, 2 stories, 20x60 feet, slag roof, steam heating, electric lighting, composition flooring. Plans in progress.

Residences (9), Trenton, N. J., \$18,000. Architect, private plans. Owner, Fred T. Walters, Lumberville, N. J. Frame, 2½ stories, 14x40 feet each, slate and tin roofs, hot water heating, electric lighting. Owner is sub-letting all contracts.

New Jersey

Contracts Awarded

Office Building (alts.), Camden, N. J., \$10,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, Masonic Temple Building, George W. Jessup & Sons, 533 Federal street, Camden, N. J. Consists of changing lodge rooms on fourth and fifth floors into offices, mill work, metal ceilings, steam heating, revolving doors, electric lighting, plumbing fixtures. Contract awarded to William Wrixford, 525 Market street, Camden.

Residences (2), North Thirty-seventh street, Camden, N. J. Architect, private plans. Owner, Frank Walters, Camden, N. J. Frame, 2½ stories, 16x38 feet, slate roof, hot water heating, electric lighting. Contract awarded to Joseph Fruckess, 138 South Thirty-second street, Camden, N. J.

Residence, Douglass City, N. J., \$7,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, H. P. Anderson, 101 North New York avenue, Atlantic City. Brick, hollow tile and stucco, 2½ stories, 27x53 feet, shingle roof, hot water heating, combination lighting, tile and hardwood floors, metal lath, dampproofing. Contract awarded to Alexander Die, Atlantic City, N. J.

Bungalow, Atlantic City, N. J. Architect, Earle M. Henderer, Sheen Building, Atlantic City, N. J. Owners, Smith & Henderer, Sheen Building, Atlantic City. Brick and frame, 2 stories, 25x50 feet, slate roof (heating reserved), electric lighting, tile work, oak floors. Contract awarded to Charles Corson, Atlantic City, N. J.

Residence (add. and all.), Ocean City, N. J. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, E. B. Bacon, on premises. Brick and frame, 3 stories, 20x18 feet, canvas roofing (vacuum heating reserved), electric lighting, hardwood floors. Contract awarded to Allan Scull, Ocean City, N. J.

Hotel (alt. and add.), Arkansas and Pacific

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H. H. S. OGDEN, SECRETARY

avenues, Atlantic City, N. J., \$12,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, R. B. Leidy, Hotel Elberon, Atlantic City, N. J. Brick, 6 stories, 45x130 feet, slag and slate roof (heating and lighting reserved), tile floors, metal lath, dampproofing. Contract awarded to W. G. Taylor & Son, Guarantee Trust Building, Atlantic City, N. J.

Apartment House, Atlantic City, N. J. Architect, J. R. Ogden, 140 South South Carolina avenue, Atlantic City. Brick and limestone, 3 stories, 4784 feet, slag roof, hot water heating, electric lighting, tile and marble

floors, skylights. Builders, W. G. Taylor & Sons, Guarantee Trust Building, Atlantic City, N. J., are taking sub-bids.

Boardwalk, Atlantic City, N. J., \$12,371.25. Architect, City Engineer. Owner, City of Atlantic City, N. J. Consists of supplying reinforced concrete girders and columns for the construction of new elevated boardwalk 40 feet between Pacific and Atlantic avenues, and widening boardwalk 40 feet between Pacific and New Hampshire avenues. Contract awarded to Empire Construction Co., 51 East Forty-second street, New York City.

Baltimore. Owner, Dr. Maurice Lazenby, 414 Woodlawn road, Baltimore. Brick and stone, 2½ stories, steam heating, electric lighting, hardwood floors, tile work. Contract awarded to G. Walter Tovell, Eutaw and McCulloh streets, Baltimore.

Alterations and Additions

Willoughby Evans (O), Wyoming avenue and Fisher's lane. Cost, \$400. Boiler house, brick boiler foundations, Wyoming avenue and Fisher's lane.

United Cigars Co., (O), 62 North Eighth street. J. Freedland (C), 1621 East Thirtieth street, Brooklyn, N. Y. Cost, \$800. Store and dwelling, new front, new tile floor, 2358 North Front street.

R. Robinson (O), 11 Slocum street. L. W. Kitselman (C), 125 East Upsal street. Cost, \$700. Garage, brick, 22x20 feet, slate roof, 11 Slocum street, Mt. Airy, Pa.

G. Goosenberg (O), 822 North Seventh street. B. Israel (C), 863 North Fourth street. Cost, \$700. Garage, brick, 15x6 feet, 5160 Viola street.

Joseph Mustaro (O), 710 North Seventeenth street. F. E. Bland (C), 252 North Fifteenth street. Cost, \$350. Store and dwelling, hot water heating system, 710 North Seventeenth street.

Esther Chroat (O), 319 South Sixth street. L. Kaplan (C), 509 Delancey street. Cost, \$650. Store and dwelling, new bulk, interior alterations, 319 South Sixth street.

Kumings (O), 5006 Wayne avenue. Edw. Clifford (C), 107 Queen street, Germantown. Cost, \$330. Dwelling, 2 new windows and stairway, 152 Queen street, Germantown.

Edward Trainer (O), Second and Queen streets. Andrew Donaldson, Jr. (C), 2237 Oakford street. Cost, \$380. Saloon, brick, change door and window openings, northwest corner of Twenty-first street and Snyder avenue.

Edward Trainer (O), Second and Queen streets. Andrew Donaldson, Jr. (C), 2237 Oakford street. Cost, \$500. Saloon, northwest corner of Fifty-third and Market streets.

John School (O), southeast corner of Twenty-fourth and Cambria streets. M. Kane (C), 811 North Sixth street. Cost, \$400. Store and dwelling, brick, 12x10 feet, southeast corner of Twenty-fourth and Cambria streets.

H. Coopersmith (O), northwest corner of Fifth and Winton streets. Jacob Bender (C), 1830 South Fourth street. Chicken slaughter house, 2 stories, brick, 10x15 feet, slag roof, Fifth and Winton streets.

J. S. Schwene (O), 433 North Third street. A. C. Schoen (C), 237 West Wyoming avenue. Cost, \$300. Garage, 19x19 feet, slag roof, 300 feet north of Bristol, west side of Lawrence.

John Lang Paper Co. (O), Twenty-fourth and Vine streets. William H. Eddleman & Sons (C), 453 Green lane, Roxboro. Cost, \$500. Boiler house extension, Twenty-fourth and Vine streets.

Louis Hartman (O), 2031 Germantown avenue. Harry Slass (C), 1809 North Seventh street. Cost, \$800. Store and dwelling, new bulk, new metal cornice, 2031 Germantown avenue.

J. J. Cohen (O), 523 South Fifth street. B. Bornstein (C), 1510 North Franklin street. Cost, \$775. Store and dwelling, brick, 523-25 South Fifth street.

M. Spielberg (O), 2228 South Twelfth st. M. Lesse (C), 816 Winton street. Cost, \$750. Store and dwelling, new bulk and cornice, Front and Fitzgerald streets.

Miss Mary Moyer (O), 349 Pelham road. Central Cabinet Manufacturing Co. (C), 529

Miscellaneous Construction News

Apartment House, Wilmington, Del., \$30,000. Architects, E. L. Rice, Jr., & Co., 815 Market street, Wilmington. Owner's name withheld. Brick, 5 stories, 93x63 feet, slag and tile roof, vapor heating, electric lighting, hardwood and tile floors, metal lath, dumb waiters. Architects ready for bids.

Garage, Wilmington, Del. Architects, Duh-ring, Okie & Ziegler, Bailey Building, Philadelphia. Owner's name withheld. Reinforced concrete, 3 stories, 100x200 feet, slag roof, steam heating, electric lighting, elevators, steel sash. Plans in progress.

Apartment House, Wilmington, Del., \$30,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owner, Mrs. A. F. Keirski, Wilmington, Del. Brick, 3 stories, 40x80 feet, slag and tile roof, vapor heating, electric lighting, hardwood, tile and composition floors, metal lath, dumb waiters. Contract awarded to Marshall P. Tindall, Greenback, Wilmington, Del.

Office Building (add.), Wilmington, Del., \$300,000. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owners, The Dupon Co., Wilmington, Del. Brick, steel and terra cotta, concrete floors, 12 stories, 106x110 feet, composition roof, steam heating, electric lighting, elevators, tile and marble work. Plans completed. Owners will sub-let all contracts.

Hospital (add.), Farnhurst, Del., \$60,000. Architect, L. W. Crawford, Odd Fellows' Temple, Wilmington. Owners, State of Delaware,

Dover, Del. Brick, stone trimmings, 3 stories, 98x153 feet, slate roof, steam heating, electric lighting, tile floors, metal lath, waterproofing. New plans in progress.

Bank Building, Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Brick, granite and terra cotta, 2 stories, 30x67 feet, metal roof, steam heating, electric lighting, tile work, composition flooring, metal lath. Plans in progress.

Residence, Roslyn, Long Island, \$500,000. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owner, Nicholas F. Brady, 54 Wall street, New York City. Tapestry brick, limestone and steel, concrete floors, fireproof, 3 stories, 65x250 feet; wings, 45x85 feet each, variegated slate roof, reinforcing bars, waterproofing, enameled bricks, (plastering, tile and marble work, parquetry floors reserved). Architect taking bids, due January 12th. George A. Fuller Co., 111 Broadway; Charles T. Wills, 286 Fifth avenue, New York City, are figuring.

Bank Building, Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, People's National Bank, E. E. Wooten, cashier, Laurel, Del. Brick, granite, terra cotta and steel, 2 stories, 60x33 feet, tin and copper roof, steam heating, electric lighting, marble work, composition flooring, metal lath, waterproofing. Architect taking bids, due January 6th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring. (Note correction in owners' name.)

MARYLAND Construction News

Hotel, Chesapeake Haven, Md. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Chesapeake Haven Hotel Co., Chesapeake Haven, Md. Frame, 4 stories, 70x107 feet, shingle roof, electric lighting (heating and plumbing reserved). Architect taking bids, due January 14th. James B. Flounders, 1329 Arch street, Philadelphia, is figuring.

Residences (22), Winchester street, Baltimore, Md., \$50,000. Architect, W. B. Gerwig, 1028 North Fulton street, Baltimore, Md. Owner, James Keely, 1123 Poplar Grove street, Baltimore. Brick, 2 stories. Owner is sub-letting all contracts.

Residences (8), Brooks Lane, Baltimore, Md., \$30,000. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, A. Silberstein, 2206 East Baltimore street. Brick, 2 stories, 16x71 feet each. Plans completed.

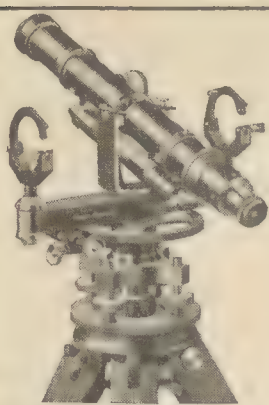
Theatre and Apartments, Robert street, near Pennsylvania avenue, Baltimore, \$10,000.

Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owners, Henry Pfeil Manufacturing Co., 559 Robert street, Baltimore. Brick and stucco, 1 and 3 stories, 64x70 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residences (30), Hillsdale Road, Baltimore. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owner, John J. Carlin, 215 St. Paul street. Brick, 2½ stories, 21x37 feet each, steam heating, electric lighting, hardwood floors. Architect will sub-let.

Residence, Guilford, Baltimore, Md., \$11,000. Architect, E. L. Palmer, 408 Roland avenue, Baltimore. Owner, Dr. Ronald F. Abercombie, Homewood Apartments. Brick, 2½ stories, 30x45 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore, Md.

Residence, Guilford, Baltimore, Md. Architects, Owens & Sisco, Continental Building,



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North Ninth street. Cost, \$5,000. Dwelling, 349 Pelham road.

W. Ashenfelter (O), southeast corner of Coulter street and Wissahickon avenue. J. Howard Roberts (C), Lansdowne, Pa. Cost, \$700. Garage, brick, 20x20 feet, slate roof, Coulter street and Wissahickon avenue.

Albert Stroble (O), 2302 North Eighteenth street. S. F. Brown (C), 2421 North Twenty-seventh street. Cost, \$300 Store, new bulk, 929¹ North Thirteenth street.

W. E. Knipe (O), Hancock and Berks stt. Stewart Bros. (C), 2528 North Oakney strees. Cost, \$300. Dye house, Hancock and Berks streets.

P. Skiavone (O), 323 East Haines street. Cost, \$300. Dwelling, 323 East Haines street.

Bell Co. (O), 953 North Hancock street. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$400. Store, 2513 Brown street.

George W. Smith Co. (O), 3921 Powelton avenue. John N. Gill Co. (C), 1213 Filbert street. Demolition, 343-45-47 North Sloan street.

George W. Smith & Co. (O), 3921 Powelton avenue. John N. Gill & Co. (C), 1215 Filbert street. Demolition, 334-36-38 North State street.

Simplex Foundation Co. (O), Tacony, Philadelphia. Cost, \$600. Rigging shed, northwest corner State road and Vankirk street.

Central Market Street Co. (O), Juniper and Market streets. Philadelphia Sign Co. (C), 131 South Eleventh street. Cost, \$410. Sign, 913 Market street.

Dr. F. P. Bigley (O), Huntingdon and Amber streets. Cost, \$350. Garage, 2657 Collins street.

F. W. Rinrell (O), 452 North Franklin st. A. R. Raff (C), 1635 Thompson street. Cost, \$300. Dwelling, 452 North Franklin street.

M. B. Lynch (O), 2116 South Eighth street. William Crecelins (C), 2347 South Eighth street. Cost, \$360. Store and dwelling, 2116 South Eighth street.

Mrs. J. J. Hood (O), 1024 Arch street. H. M. Irwin (C), 1613 Ranstead street. Cost,

\$1,600. Machine shop, 226 North Juniper street.

Friends Society (O), Seventeenth and Girard avenue. J. Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$650. School, Seventeenth and Girard avenue.

Henry Disston & Sons, Inc. (O), Tacony. F. W. Van Loon (C), Denckla Building. Cost, \$52,000. File shops, Wissanoming avenue, Tacony, Pa.

Hannah A. White (O), 7426 Devon avenue, Mt. Airy. William N. Thompson (C), 1529 Filbert street. Cost, \$2,100. Store and dwelling, 1112 Locust street.

Charles Schall (O), 818 North Sixty-third street. Cost, \$500. Hot house, 618 North Sixty-third street.

Samuel Sternberger (O), Tenth and Filbert streets. Freund-Siedenbach Co. (C), 307 Bulletin Building. Cost, \$5,000. Manufacturing building, northeast corner of Tenth and Filbert streets.

Girard Trust Co. (O), Broad and Chestnut streets. Robert Harper's Sons (C), 217 North Sixteenth street. Cost, \$385. Store and dwelling, n08 North Thirteenth street.

Hall & Kilburn Co. (O), Nineteenth and Glenwood avenue. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$800. Tank tower, Nineteenth and Glen wood avenue.

Peter Hernig (O), 2009 Marscher street. Henry P. Schneider (C), 3713 York road. Cost, \$1,600. Garage, 2021 Mascher street.

Crucible Steel Co. (O), 513 Arch street. Freund-Siedenbach, (C), Bulletin Building. Demolition, 1224-26-28 Callowhill street.

John P. Fallon (O), 449 South Sixtieth st. Cost, \$1,000. Garage and dwelling, 449 South Sixtieth street.

Coffin & Gilmore (O), 140 South Front st. Henry C. Dahl (C), 231 South Eighth street. Cost, \$1,900. Storage building, 140-42 South Front street.

E. W. Woolman (O), 4709 Lancaster avenue. J. F. Trent (C), 2041 Master street. Cost, \$4,300. Power house, 4709 Lancaster avenue.

street. Cost, \$133,800. Seventy-three dwellings, brick, 2 stories, 15.6x27 feet, Sedgley avenue, L and M and Andover streets.

Bryer Ice Cream Co. (O), Ninth and Cumberland streets. Koelle-Speth Co. (C), Twenty-sixth and Oxford streets. Cost, \$50,000. Garage and stable, concrete, 4 stories, 75x127 feet, northwest corner of Ninth and Cumberland streets.

J. L. Thorn Co. (O), Twentieth and Allegheny avenue. Cost, \$25,000. Office and factory, brick and concrete, 2 stories, 80x225 feet, Allegheny avenue and Twentieth street.

Charles M. Beck (O), 609 Chestnut street.

John Baizley Iron Works (C), 5142 Delaware avenue. Cost, \$500. Steel tank support, 609 Chestnut street.

W. W. SUPPLEE DIES AT AGE OF 83 YEARS.

William W. Supplee, former head of the Supplee Hardware Company and an ex-president of the Trades League, now the Chamber of Commerce, died Friday night at his home, 4102 Walnut street. He was 83 years old and had been ill for several years, having given up all his activities when his health failed.

Mr. Supplee was a member of the Union League and of the City Club since its organization. He was born in Montgomery County, his early education being received in a school-house which his grandfather built, a few miles from Norristown. He continued his studies in the Tremont Seminary. In 1853 he came to Philadelphia, but later went to La Crosse, Wis., with a schoolmate. They operated several stores, soon branching into all parts of the State. In 1867, with his partner, the late W. J. Lloyd, Mr. Supplee returned to this city. Buying out an established firm, they began operations under the name of Lloyd, Supplee & Walton, Mr. Walton being associated with the firm whose interests they had purchased.

In 1889 Mr. Supplee bought out Mr. Lloyd's interests and the firm became the Supplee Hardware Company, Mr. Supplee being made president, an office he held until three years ago, when he sold his interests.

Mr. Supplee was one of the organizers of the National Hardware Association, being its first president, and for years was a vice-president of the Corn Exchange National Bank. He was also made the first president of the Hardware Merchants and Manufacturers' Association of this city, which he was instrumental in organizing; a director of the Philadelphia Bourse and of the Philadelphia Museum.

OFFICERS FOR HEATING ENGINEERS NOMINATED.

Officers for the American Society of Heating and Ventilating Engineers for the coming year have been nominated by the regular committee. A ballot will be sent to the members in due course and the result made known at the annual meeting, to be held in New York this month. The candidates for office as selected by the committee are as follows: President, Harry M. Hart, Chicago, Ill.; first vice-president, Frank T. Chapman, New York City; second vice-president, Arthur K. Ohmes, New York City; treasurer, Homer Addams, New York City; council, D. D. Kimball, New York City; Henry C. Meyer, Jr., New York City; Dr. E. Vernon Hill, Chicago, Ill.; Frank J. Cooper, Boston, Mass.; Walter S. Timmis, New York City; Charles R. Bishop, North Tonawanda, N. Y.; Fred R. Still, Detroit, Mich., and M. W. Franklin, East Orange, N. J.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Fred Gerstlauer, Jr. (O), 839 North Twenty-first street. Harry P. Schneider (C), 3713 York road. Cost, \$4,000. Store and dwelling, brick, 3 stories, 16.4x62 feet, northwest corner Rising Sun lane and Gilham street.

Milton W. Frey (O), 7703 Ridge avenue. Cost, \$3,600. Two dwellings, brick, 2 stories, 16x45 feet, 7610 and 7612 Ridge avenue.

Sisters of Mercy (O), Broad and Columbia avenue. John McShain (C), 1610 North st. Cost, \$260,000. Hospital, brick and stone, 6 stories, 190x190 feet and 112x50 feet, Cedar avenue, Fifty-third to Fifty-fourth street.

Merit Realty Co. (O), 263 South Eighth

MASTER BUILDERS ON EDGE FOR MEMBERSHIP CRUSADE

"Bigger and More Prosperous Philadelphia" to Be Slogan of Exchange in Canvass for Widened Rolls

"A bigger and more prosperous Philadelphia" will be the slogan of the members of the Master Builders' Exchange, who will open a campaign this week for the purpose of increasing the membership from 200 to over 1,000.

Plans for the whirlwind canvass of the city were completed at the headquarters of the Exchange, on Seventh street, above Chestnut. January 10, 11 and 12 were decided on, and, in addition to other prizes to be offered, Congressman Moore pledged \$25 for the team that made the best showing in garnering new members.

The meeting which resulted in preparations for the launching of the campaign also included the annual luncheon, smoker and vaudeville entertainment which the builders hold to welcome in the New Year. Thomas F. Armstrong presided at the luncheon and the principal addresses were made by Director of Public Safety-elect William H. Wilson, Congressman Moore and W. Nelson Mayhew, who was chosen chairman of the committee which will manage the membership campaign.

In the course of his address Chairman Mayhew said:

"Preparedness is a national slogan, so be it with the exchange. Preparedness for what? For labor troubles, for the evils and abuses in the building trades that will arise if we do not have a central body where builders may meet and extend their usefulness, and for the purpose of getting better acquainted with each other.

"In this city at least 2,000 men engaged in the building business are eligible to membership in the exchange. The exchange needs

the moral support of these 2,000 men, and these men need the protection and assistance that the exchange can give them.

"Philadelphia needs more and more and better and better buildings, and to obtain this end a greater exchange is an absolute necessity."

More education along practical lines and less for professional callings was advocated by Congressman Moore. He said:

"Much of our trouble to-day is due to the lack of practical education on the part of the youth of the country and the desire of many of our people to avoid hard work and strike the rosy side of the road. If, in our public schools and in those institutions that receive government aid, we had less education for professionals and more for practical men, it would be a good thing. While we are talking preparedness for war, there ought to be some discussion of our preparedness for that peace and domestic tranquility which is guaranteed by the Constitution of the United States. We need more builders and less lawmakers at the present time, more substantial and enduring work and less in the way of agitation and discontent, for as soon as the European war is over we will be at our wit's end to hold our own.

"If the European war has taught us anything," he said, "it has taught us the value of discipline in the education of the youth. In the United States we accord public education to our young men and young women without expecting any particular service in return, except as to such out and out military establishments as are conducted by the government."

FIREPROOF FURNITURE URGED.

Department Wants Law to Compel Its Use in Offices.

Fire Department men, both the officers and the actual fire fighters, are a unit in approval of fireproof furniture for offices. They say that an office becomes a fire menace when it is furnished with wooden desks, card cases and the like packed closely together, as often is the case, plus row upon row of files filled with paper, letters and baskets filled with waste paper, not to mention the rugs and carpets.

Fireproof walls and ceilings prove of no avail, it is argued, when a fire starts in such an office, for the flames quickly leap through

windows into other offices equally filled with similarly inflammable furnishings and so spread from floor to floor.

Fire Commissioner Adamson, of this city, calls buildings filled with such offices worse than furniture warehouses so far as fires are concerned, and has declared that he is in favor of a law requiring all office furniture on floors at a certain height from the ground to be made of metal or non-burnable materials.

Fire prevention is not the only advantage of fireproof office furniture. It is superior to wooden furniture also in durability, possibility of removal and erection without damage to the goods, absence of warping, sticking and cracking and protection against mice and vermin, while damage by water is reduced to a minimum.

BIG CEMENT COMPANY EXTENDS TO VIRGINIA.

Lehigh Portland Concern Plans to Reach Out for Southern Business.

ALLENTOWN, Pa., January 1.—Announcement was made New Year's morning that the Lehigh Portland Cement Company had this week acquired ownership of the Virginia Portland Cement Company property, located at Fordwick, Va., on the Chesapeake and Ohio Railroad.

The Lehigh Portland Cement Company, which is headed by Colonel Harry C. Trexler, last year produced 12,000,000 barrels of cement at 12 mills located in Eastern and Western Pennsylvania, Indiana, Iowa and the State of Washington.

The Virginia plant, which is a 1,000,000-barrel mill, will be used to supply the trade in Virginia, West Virginia and the Carolinas, to which the Lehigh Company has not, up to this time, had access because of high freight rates from this region.

The new purchase involved nearly \$1,000,000.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

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Irving Dillon. Editor

PHILADELPHIA PA., January 5, 1916.

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Editorial Comment

An address that has a direct bearing on the plans now under way to provide additional opportunities for the education of the heating and ventilating engineer was delivered recently before the Cleveland Engineering Society by Professor John R. Allen. Coming from a past president of the heating engineers' society, his remarks are quite timely. One of the interesting points brought out was that of the graduates in mechanical engineering at the University of Michigan who have been out ten years or more, 90 per cent. are still in engineering; 34 per cent. are presidents, vice-presidents, general managers, or general superintendents of manufacturing corporations; 39 per cent. are superintendents, chief engineers or sales managers of manufacturing corporations; 7 per cent. are constructing engineers, professors, patent attorneys and in special lines; while 20 per cent. are salesmen, in minor positions or in other lines. In other words, the statistics show that almost 80 per cent. mane good and reach positions of responsibility, and the speaker well asks, "What community of untrained men can show such a percentage of success?"

* * *

Another point emphasized in the address was the criticism that the American engineer is pa to be superficial. In this connection, we believe the following remarks on this topic, made in the course of the discussion of Prof. Allen's address, fairly express the situation and will be a reassurance to many who have, perhaps, envied the thoroughness of the best type of European engineer:

"Because I was raised and educated abroad," said this engineer, "I wish to thank the speaker for his flattering remarks about the thoroughness of the European engineer. However, I think that, on the whole, there is not a great deal of difference, except possibly in the training in mathematics, the European engineer being usually a better mathematician than his American brother. Otherwise, I should be inclined to favor the American methods. * * * Where the European engineer is usually handicapped is in his ability as a business man. His mind is inclined to travel in a narrow groove of technicalities and he often lacks the broad and cheerful outlook on life common to the natives of this country. The reason for this difference, I find, is in the American interest in outdoor sports. Having spent a great deal of his time on the football field or on the tennis court, the young American becomes a mixer, learns to know how the other fellow thinks and feels, and gets the knack of rubbing shoulders with the world at large without getting an elbow in his ribs.

"The European engineer, on the contrary, is usually an indoor man, trained to become a

professor in due season, and taught to keep his nose to the grindstone."

* * *

The Master Builders' Exchange of this city has inaugurated a campaign to increase its membership to 2,000. Hundreds of new applications are already in hand, competitive teams are at work soliciting members, and it is anticipated that by January 10th the membership will be at least 1,000. The campaign was not to have been officially started until January 10th, but the advance interest has so far exceeded expectations that the committee has been forced to consider applications ahead of the arranged schedule.

Special inducements are being offered new members by the Exchange, which is a thoroughly representative body and one doing well and earnestly a work valuable to the builder, architect and material man.

* * *

Ralph Adams Cram, one of the foremost architects in the United States, and well known in this section of Pennsylvania as the designer of the handsome cathedral that is being erected at Bethayres, has contributed an article on "American House Building" to the January "House and Garden." Under the sub-caption, "The Excess of Architecture," he says:

"There seems to us to be two points wherein further improvement is possible, and I am not quite sure that the owner has not quite as much to do in bringing about these as the architect himself. The first is this: Through our increased knowledge, our improved training, our widening view of the world, we are becoming too able and too assured. There is too much 'architecture' in our building, and we are in danger of failing to see the forest because there are so many trees. Of course, this is all natural enough; the owner has the thrifty sense of getting as much good art for his money as his architect can give him, and the architect (if he is not too old and tired) honestly wishes to make each work a masterpiece, an epitome of all he knows—and knows he knows.

"Individualism is rampant, of course, and the commercial sense nonexistent, and the result is pat to be what would be obtained (and is obtained) by a landscape gardener who designs a park but cared only for specimen trees. Economy in the use of art is great virtue. The chateaux of the Loire and Touraine, the piled-up wonders of Elizabethan palaces, are the sort of things that can be done successfully once or twice, but not constantly.

"Opulence has been the ruin of the world now falling in fragments around us. The new spirit that will take control, after the shattering readjustment is accomplished, will be a different thing altogether, and if the world

is to continue at all it will be along lines of simplicity.

"In the new era a little art will go a long way, and successfully, just because it will be so good. The white villas of Italy and Spain, the gray little farms of England and Normandy, the ascetic mansions of New England and Pennsylvania and Virginia give the key. For with them form, texture, proportion, workmanship are everything; ornament and detail only the accent. In much of our best work

there is enough intelligent and admirable design to fit out a community; this is improvident and it is also ineffective.

"If owner and architect will content themselves with the simplest possible expression of the needs of a given case, all in terms of good composition and good workmanship, adding as little detail, as little ornament, as possible, one of the two requisites still absent from our house building will have been attained."

PLAIN TALK ON ENGINEERING SOCIETIES

Some of the shortcomings of engineering societies in general, and of the older ones in particular, came in for a frank discussion in an address delivered by Ernest McCullough recently before the Western Society of Engineers.

Mr. McCullough's address was entitled "The Engineering Society." He reviewed the causes leading up to the formation of the American Association of Engineers and blamed the older societies for not giving more attention to the young engineer.

The technical or engineering societies have not developed with the work of the engineer, he said, and went on to add, as reported by "Power," that these societies are still lingering in the past and consider themselves as institutions organized solely for educational purposes. This is the way they are conducted, but the majority of the members know many societies exist rather as an evidence of the standing of the members than for their declared purposes. The modern technical journal is doing far more real educational work than any society, no matter how large or how important it may be. The pages of the weekly and monthly papers bring to us news from the front, fresh and in a way that the more formal papers of a society cannot. The society proceedings have become mere encyclopedias, which are consulted less frequently than are the pages of the journals maintained purely for profit.

Engineering Bodies Too Often Mutual Admiration Societies.

There is a well-founded idea that engineering societies have for many years past been mutual admiration societies of successful men and have been used for the furthering of insidious advertising by men qualified to take full advantage of the position their membership brings them. The papers are generally obtained only by hard work on the part of the publication committee in each society. The discussions are too frequently inadequate, and real criticism is seldom developed when the author of the paper is of commanding eminence. The young man learns something, but not much, from the papers and feels diffident about discussing them, as he fears his opinion would not be well received.

Needs of the Young Engineer.

The young engineer does not want this. He

wants scholarship, companionship and definite recognition. He is glad to attend a meeting where he knows refreshments will be served, not because of the refreshments, but because something to eat and drink signifies a lack of formality and perhaps an opportunity to mingle freely with older men who have made their mark. He wants to make acquaintances with men having like interests with himself and to feel that the society is more than an editorial body or an encyclopedia compilation of engineering facts—that it is composed of flesh and blood men who want to help him because of their knowledge of the trials and tribulations he is undergoing. He would rather know how to obtain a position and how to hold it than to hear how other men have done engineering work, for he reads the technical journals and gets a surfeit of such material.

The author spoke briefly of the formation from time to time of societies organized by young men and intended to help them meet their particular troubles. In these organizations the employment question is uppermost, and while they may perhaps thrive while times are dull, they all fail when members have positions and forget to continue paying dues. This led up to a discussion of the object of the American Association of Engineers which was originated to raise the standard of ethics of the engineering profession and to promote the economic and social welfare of engineers. These objects are to be obtained by affording means for an interchange of information, by maintaining a service clearing house, by affording patent and legal advice, by supervision of legislation and by proper publicity.

Older Societies Not Attending to Business.

In analyzing the objects cited and the methods by which they were to be obtained and how they conflicted with the objects of the older associations, the author was of the opinion that the older societies were not attending to business. The work outlined should be attended to by the veteran. "Old men for council, young men for action," should be the motto of the older societies. If this were the motto and lived up to properly, the young men should obtain all the objects sought and the societies would grow faster than they are now growing. The members

should receive the worth of their money—the older men in the feeling of satisfaction following every worthy action, the younger men in the experience of material benefit.

Discussing the methods outlined, the older societies can honestly say only the first has been attempted by engineers—that of affording means for an interchange of information. That a service clearing house has not been properly attempted is a reproach. The engineer is a wanderer from job to job. When capital is active he is hard to find. When dull times come and capital rests, the streets are full of technically trained men out of work. They wander from office to office, many of them starving and too proud to admit it, many never getting a substantial footing. Their work is concerned with new enterprises and with the day laborer they share the ups and downs of fortune. There is a place for all, and it is the duty of the older engineers to take care of their brothers. Every day the Western Society and the other large societies delay in organizing a service whereby members out of employment can be placed in positions is an inexcusable reproach. The organization is already formed. It requires only the spirit.

Societies Should Act as Employment Agencies.

Any society should not limit its efforts in this direction to members, but should give members the preference, all things being equal. All members needing men should file their wants with the secretary of the society and not attempt in any other way to secure men until the secretary says there are none available. All members might be classified by specialty and lists printed, so that those wishing to get in touch with men in any special line of work may have such a list given to them by the society and then make a choice.

The affording of patent and legal advice needs to be approached with care. The society should have an attorney who can help members that have trouble in collecting pay. That is, members who fall into the hands of unscrupulous employers.

Legislation for the Technical Man.

The fourth method is concerned with legislation for the technical man. The architects are working hard to obtain legislation to make architecture a closed profession, beginning with the passage of the license law for architects in Illinois in 1897. A number of the States have similar laws, the greater number of which were passed during the present year. Engineers were opposed to legislation to license engineers, but conditions in the State of Illinois became so intolerable on account of the monopoly given to architects that the Western Society this year obtained the passage of a law to license structural engineers. This one thing has done more to help the society than any other single thing since it was organized. The next piece of legislation to be attended to is one fixing the status of sanitary engineers, or the plumbers will get ahead and obtain control of the design and construction of sanitary work. It is not the intention to make a closed profession of san-

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itary engineering, but to prevent injustice to such engineers because of legislation that may be secured in other lines of work, it will be necessary to have examinations and licenses for them.

Would Register Technical Engineers.

A better way would be to secure a law requiring the registration of technical engineers with an examining board qualified to examine men in different specialties, so that the word "engineer" will possess a dignity comparable with the titles of the other learned professions. Not only must the modern engineering society see that legislation is secured to protect and elevate the engineering profession, but it must also carefully look after proposed legislation to the end that no law which work harm to the people of the State will get on the statute book. That is, as a citizen, the engineer must protect those that lack knowledge of technical affairs and are left at the mercy of special interests.

As to what is proper publicity depends upon changing ideas and advances in civilization. The advertising methods of the live, wide-awake business man may be considered coarse and unbecoming for the professional man. Is this idea a survival of a generation past? Is it, as many young men claim, a fetish worshiped by professional men for the purpose of helping older men maintain their pre-eminence and hold the young man back? The question must be answered individually just now. Throughout his life the technically educated man, the engineer, is at times a professional man, a technical employee and a business man. He must do some publicity work, and society should not be hide-bound in what is to be considered proper means of publicity to be employed by individual members. It should be enough for the societies that the

members remain decent and bring no discredit on the work of the technical men.

The societies heretofore have concerned themselves with the publicity work of individuals. What is now a crying need is publicity work of the proper sort by the societies for the benefit of the membership and incidentally of the technically educated men not members of any society. Through proper publicity work all technical men not members will want to become members. Incidentally, the work of technical men will be so placed before the public that there will

be an increase of good material in the ranks. Proper publicity should have the effect of sifting out desirable men from those not so desirable. It is because of improper publicity work that there are so many complaints today of too many unfit men enrolled as engineers. These men, no matter how unsuited they may be to the work of the engineer, have a place somewhere in the world where they can fit in, and it should be part of the duty of the engineering societies of the future to find the holes in which these misshapen pegs may fit.

HOME PLANNING

It is not a very difficult matter to plan a house, but the planning of a "home," in which you shall realize your ideal of what that word means, is not so simple, since the completed building should reflect your personality as well as suit your individual needs. A building that is a home to one might be merely a house to another, as it would not portray the personality nor suit the mode of living.

The successful house must be successful in all its details and within the limitations imposed by the builder's purse. The general scheme must embody the most careful study of the builder's needs. A long and careful preliminary study of the problem from the standpoint of yourself and your family will enable you to decide what you must have, what you would like to have and what you are willing to do without if the purse so rules. It is well to collect and arrange in some convenient and orderly way the many illustrations and plans that are published from time to time in papers and magazines and which may suggest something for your particular problem.

Although it does not come strictly under the title of this paper, we should first of all consider the lot or site, it being taken for granted that the lot has been obtained. The next step to consider is the making the most of it, keeping in mind its surroundings and its possibilities for pleasant outlook and privacy for main rooms. If it is an inside lot, narrow and deep, as the great majority of them are, it means that either the front or rear must be used as garden or lawn upon which the living rooms shall open.

A common fallacy is that a south or east frontage is preferable to one having a street outlook to the north or west. This is due largely to our mistaken ideas of front and back yards.

Much more pleasure can be gotten from the yard or garden at the rear away from the street with its dust and noise, than from one at the front that is divided by the entrance and service walks and limited in depth by the short distance the house can be placed from the street because of the location of neighboring houses.

Of course, it must be remembered that we

here speak of a garden that is a delight to the eye and not a utilitarian garden cultivated for the benefit of the inner man. The vegetable garden and service yard can be placed farther to the rear or at the side and should be screened from the other.

A corner lot of course lends itself to more convenient planning and more open and sunny exposures than the inside lot.

These points are brought up to show their importance in relation to the actual planning of the home as the various rooms must be placed so as to take advantage of these things.

The next consideration is that individual requirements, being careful that they do not overrun the appropriation as it is hard to make a \$5,000 appropriation cover a set of \$8,000 requirements. We deal here with the problem of the moderate sized house which requires careful thought because of its many requirements and limited cost.

Having determined the proper location for the main rooms by keeping in mind the general outlook or prospect from the house, the direction of prevailing breezes in summer (which is usually south or southwest) and exposure to the sun, first consider the simplest form of plan, the rectangle with corner entrance.

The living room should have southern sun and the dining room east sun for breakfast in addition to the south exposure if possible, but the latter is not so much for the warmth and cheer of the winter sun as for the cooling breeze of summer, which can be gotten also by proper openings between rooms.

This almost determines the location of the living room at the south or southeast and dining room at the northeast, and since connection between kitchen and dining room cannot be severed, the kitchen must come at the northwest, and the entrance hall at the southwest corner, the least desirable corners for rooms. Where the width of lot allows a central entrance one must determine whether or not individual requirements or natural conditions such as shade, etc., will allow the living room across the west side, in which case the dining room will come at the southeast and the kitchen at the northeast.

In a case like this if the entrance is north

we have an ideal scheme for the private garden at the rear with both main rooms looking out upon it. We cannot, of course, consider here all of the innumerable arrangements that may be evolved.

Having arrived at what seems the most feasible disposition of the main rooms one must consider other things that make the successful plan.

Keep in mind the diverse points between which most traveling is done and endeavor to bring them together without conflicting and without necessity of using one room to reach another. There should be direct, but independent means of reaching the front entrance from the kitchen and yet the kitchen should be isolated to prevent the odors permeating the whole house. In order to accomplish this it is well to have two doors intervene, either in a pantry or passageway. The planning of a convenient kitchen could easily take up a whole paper in itself. Formerly a part of the house back of the dining room was merely left for the kitchen without much thought about the arrangement of range, sink, cupboards, pantry and refrigerator with a view of saving steps, or of getting the proper light, cross ventilation, etc., and besides it was usually too large. Now the architect and housewife are co-operating more and more in working out this very important department of the home.

A properly planned small kitchen will suffice for a good-sized house, but its size is dependent somewhat on the number of people that will work there at the same time and upon the amount of entertaining that it is expected to be done. Think of the operations to be done in the kitchen and place the fixtures so that needless steps are eliminated. Try to keep the fixtures as nearly contiguous as possible to prevent the travel from doors breaking up the working area. Place the sink in a good light as near the dining room entrance as possible and don't forget to have it high enough. Thirty-five or thirty-six inches from floor to rim is about right. Place the range where it will get good light and cross ventilation, although not direct drafts, and have the mixing table and some serving space adjoining.

The amount of cupboards in the kitchen itself will depend upon whether or not there is to be a serving pantry. If not, it means ample cupboards and serving space in the kitchen.

The cupboards can be designed for their special uses; place for platters, trays and special dishes; spice compartments and flour bins; place for the cook books, for the bread and mixing boards, for the table leaves—in short, a place for everything and that nearest to the spot where it is to be used. If possible keep the refrigerator space away from the heat of the sun and of the range and so it may be iced without dripping the ice through the kitchen—preferably by means of an outside icing door. The cool pantry is sometimes eliminated and the face of the refrigerator built in flush with the kitchen wall with an outside icing door. It takes more ice, but

steps are saved. It is not always possible but it is desirable to arrange access independent of the kitchen to the basement for the man of the house.

The stairs are one of the few things that will not admit squeezing and ample room must be allowed for them. If rear stairs are out of the question, provide as private a path from kitchen to main stairs as possible.

The second or bedroom floor is of course dependent for area upon the first floor, but it must be planned and not allowed "to happen" as so many appear to be.

Of course it is the problem of getting as many rooms as will fit in without any waste space, but each room should be considered for its use, whether for owner, child, guest or servant, and furniture and closet provisions made accordingly.

For sake of economy the bath fixtures should come over the plumbing below, but there are times when it is false economy to spoil a desirable corner with the bath room when it fits logically in a more convenient place, often next to the owners' room. In the bath room provide a built-in medicine cabinet and a cupboard or closet for towels.

One scarcely needs to mention the closet for linen and bedding, the place to keep the brooms, the portable vacuum cleaner, the upstairs ironing board, etc.

Outdoor sleeping has become so general now that nearly all homes require a sleeping porch. It should be situated so as to get the summer breezes and yet it should be sheltered from the north and northwest winds of winter. Even a north or west exposure can be overcome by sash. There are good sash on the market now which are hinged together in pairs and open out where they are out of the way, yet are rigidly braced against the wind.

The sleeping porch, under the main roof of the house, as an integral part of it, usually has much better appearance than one above a first story porch, as the latter is apt to float and not have a tied-in appearance.

Porches in general may be considered to serve two quite different uses; as sheltered entrances and out door rooms. Rarely are those two functions successfully combined, as its use as an outdoor room demands privacy. It is best to have a small shelter at the entrance and then place the living porch where it will give the most comfort; off both the living room and dining room if possible. The living porch on the east side of a house will get the south sun and breeze and will be shaded by the house from the hot afternoon sun, but avoid darkening the rooms by a porch across all the south windows.

Here again the purse limitations come in and we may be compelled to plan so that screens and sash and perhaps heat for winter will have to come later, but make provisions for them.

Another thing must not be forgotten; that is the height of ceilings. The lower story should not be over nine feet and even less height will tend to give the rooms a larger and cosier look that is worth having. If the

ceilings are beamed be careful not to get the beams too deep or too close together, as they will give a heavy appearance. Eight feet or eight feet three is a good height for bed rooms. Of course in very large houses heights must be increased somewhat.

Many other things must be thought of in laying out your plan, such as fireplace, heating, electric wiring with its outlets for the many electrical appliances, the basement with the dust of the heating plant shut off, and the laundry and drying room and a fruit room away from all heat, the attic or storage space, etc.

The layman planner cannot be expected to arrange all these things to his entire satisfaction, but if he gives his problem close and serious application along these lines he will be able to work out a scheme that will show the architect along what line to develop the finished plans. But always keep in mind your family needs and peculiar requirements.

It is not in the province of this paper to discuss seriously the exterior design of the home, for it is the plan that is the important thing, and it must govern the elevations. Each, of course, must make some concessions to the other, but one will find that if a good plan is evolved after careful and painstaking study, the elevations will take shape without undue strain or effort.—H. W. Whitsitt in "The Ohio Architect."

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THE ARCHITECT AND THE CLIENT

A Banker Speaks on the Subject

(Abstract of an address delivered by Mr. Oliver L Farge to the members of the Architectural League of the Pacific Coast at Seattle, Washington.)

Notwithstanding the fact that I live close to two architects and I have one in my family, I am perfectly amicably disposed toward the profession, and may truly say that I always have dwelt in good relations with its members. I may say that I expect to do so until such time as I shall build something of my own.

While I say this with a frivolous revelry and abandon, I note that you assume that in it there lies concealed a subtle something, about which I am going to trespass on your good nature and amiability.

One is not often given a chance to talk to architects and tell them, as a crowd, just what one thinks of them. I am somewhat peculiarly situated in regard to this. I have worked in an architect's office and have studied architecture and building and am one of those so-called business men who are supposed not to know the aims, ambitions, and hopes of the men of your profession, and am also one of that body of men who continually offend by refusing to recognize the ethics of your profession.

Perhaps it was fortunate for me that I was brought up in the atmosphere which was always redolent of the carnage of battle between the artistic temperament and the commercial temperament, and I am quite sure that I am not mistaken when I say that there is a great deal to be said on both sides of this question, and that there is a great deal that has been left unsaid by the architects, which in duty to themselves and to the public requires to be said.

You may have noted a remarkable fact in regard to the average American business man, in that there is no question which he feels quite as unable to master easily as the question regarding art or architecture. This feeling is largely due, of course, to unfamiliarity with the subject as well as to a contempt for its mastery—a feeling which has been engendered by an exclusiveness of aim and attainment on the part of those who practice it. It seems to me that it is possible to bring about a more complete understanding of your work and its necessities by the adoption of a few simple principles, one of the first of which is that the public be made to understand the architect's point of view.

We must remember that all professions dealing in imaginative qualities of work have had, from time immemorial, difficulties of understanding as between principles and clients, and architecture has this difficulty because, if the client had these qualities, he need only employ a carpenter or builder.

Perhaps you may remember how indignant was Michael Angelo when he overheard the

Pope and one of his advisers criticising his work and methods, and how his indignation got the better of him and he upset the paint on their heads from his scaffold.

Perhaps we can go further back than that, even to the remote ages, and remember the sadness of the ancient Chinese painter who, overwhelmed by continuous criticisms and misunderstandings, retired into the painting which he had made in order that he might retain his peace and happiness.

All our earlier artists and architects suffered from the universal lack of knowledge of art and from an improper understanding of its necessities; but, in spite of that, and, I might say, by favor of that, they were able to produce lasting things.

Richardson suffered from this as much if not more than any architect, and I could cite you numerous cases of apparent disregard of the feelings, opinions, or intelligence of architects, artists, and sculptors.

Almost universally, may it be pointed out that an understanding would have been easily possible provided the professional man had been willing to unbend and become a teacher to his client.

In all cases you will find that the impatience of the so-called practical man of affairs with the imaginative qualities of architects is due in part to three or four things:

First. Lack of knowledge of the cost of drawing.

Second. Lack of explicit determination of what the client is paying for.

Third. Lack of imagination—that is, lack of understanding—of what the architect's function really is.

Fourth. Lack of evidence of commercial return on good design as well as planning.

Now as to the first: It is a problem how to get this into the lay mind, but I assure you it can be done if the architect himself keeps a cost account of his draughting as he should; yet there are many architects who do not keep such a cost account and therefore cannot explain to the client in details of dollars and cents and hours and minutes. If they keep such a system, there is nothing that will interest the commercial client more than an exposition of it.

Now as to the second: A definite method of charging is professionally correct and should be adhered to, but the public usually misunderstands what is meant by supervision, and wherever you find a client you will very likely find him confident that he is not getting the supervision to which he is entitled. I believe that a complete understanding on this point before proceeding saves many difficulties and much expense to architects.

Now the last two difficulties, which are really due to a lack of education, can be remedied (and I believe they have been somewhat remedied), first, by keeping to the standard of your profession and demanding recognition of your standards, and also by a constant exposition of the work of the architect, what he has done for the community and what he can do, and what he supplies that the other man lacks.

It has seemed to me that a practical book, on the plan of Mr. Richard Hurd's book on real estate values, would be of great value not only to architects but to the public. I presume many architects are familiar with that book. It gives the history of city growth, and the land, building and rental values of many cities which, of course, are closely related to the question of proper planning. It gives many examples in photographs of rental values sacrificed by architectural blunders in planning, and on the whole, I think there has been no book written on that subject as good as this one.

My own business is mortgage banking; that is, savings deposits invested in city mortgages. To us, during periods such as we have had in the last few years, the only real basis of appraisal of real estate for mortgage is the rental basis, because of the lack of sales of real estate. The rental basis of a loan depends in part upon the good planning of but the major portion depends upon good the building, and in part upon its location, planning. This depends upon the architect. So, you may see that after all we are closely allied—if you do good work we can do good work—and just so much as a savings bank is able to invest its funds wisely and safely in a community, just so much better and richer is that community; it is being constructed by its own people, and is just so much more able to employ good architects.

I believe that architects, as a rule, are the best professional men of any community. I have always found them alert, filled with civic pride, and very human, and the most delightful men as friends. I have usually found them controlled by two very strong motives; a constant wish to do honor and justice to their profession, and a desire to please their clients, of course not counting the anxiety we all have to get the job. The control by associations is a good thing, but I beg you to remember that your client cares nothing for rules and regulations, and you must educate him to a belief in your capabilities, and not present him with a printed slip of what the Institute decrees professionally. You can do this now, where you could not do it twenty years ago.

There are occasional lapses by the public, but the emphatic expression of outrage by the people of the world at the recent destruction of the architectural monuments in France and Belgium must convince you that the people are generally assured of the value of good architectural work.

My conclusion is that the successful architect is the one who can handle the public without offense to its sensibilities, and still cling to the high ideals of his profession.

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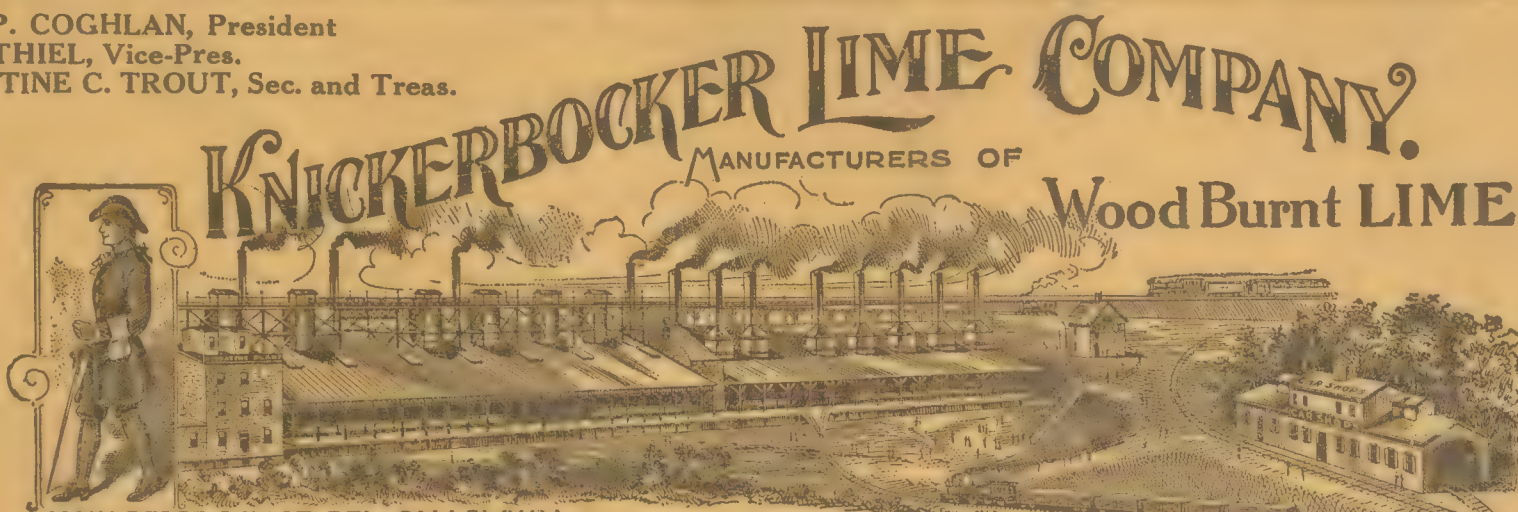
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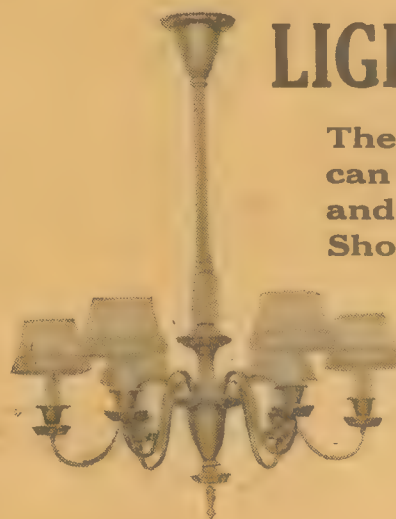
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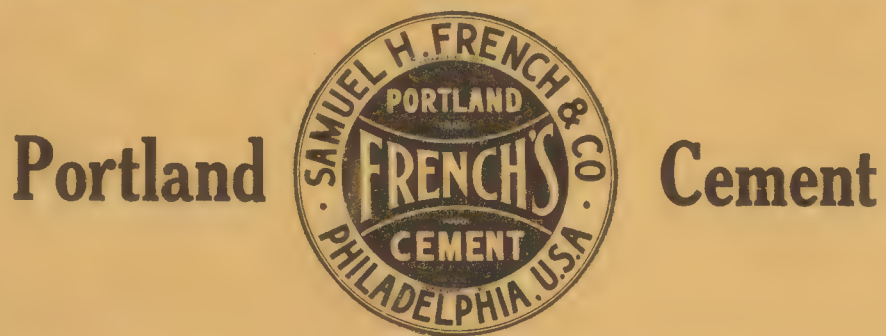
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Vol. XXXI., No. 2.

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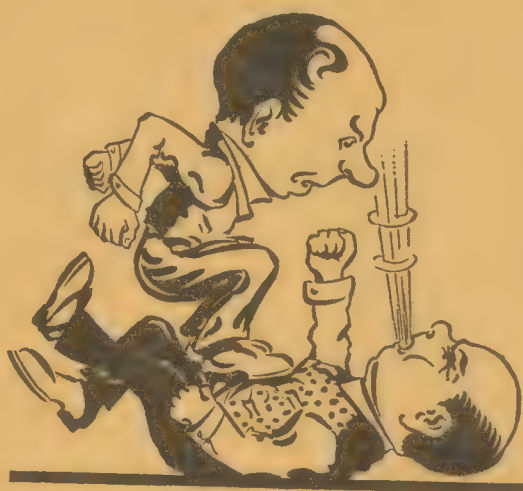
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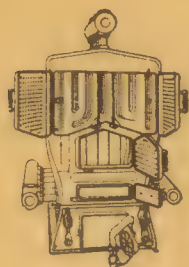
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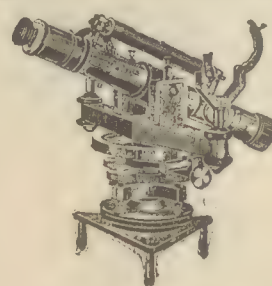
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Vol. XXXI., No. 2

PHILADELPHIA, WEDNESDAY, JANUARY 12, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (10) and Store (1), Sixty-fifth and Greenway avenue. Architect, private plans. Owners, Levin & Brown, Sixty-seventh and Elmwood avenue, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, electric lighting, hot water heating. Owners will be ready for sub-bids on January 11th.

Garage, Forty-first and Poplar streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, A. Leibovitz, Forty-first and Poplar streets, Philadelphia. Brick, 1 story, 24x94 feet, slag roof, hot water heating, galvanized iron skylights, concrete floors. Plans about completed. Owner will be ready for bids in one week.

Garage and Service Building, 329 to 335 South Broad street, \$350,000. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owners, Pennsylvania Taximeter Cab Co., J. T. Kinsley, general manager, 1407 Locust street, Philadelphia. Concrete, brick, terra cotta and steel, 10 stories, 67x150 feet, slag roof, steam heating, electric lighting, steel sash, elevators. Plans about completed. Architect will take bids in about ten days.

Residences (alt. and add.), 4110 Poplar st. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, A. Leibovitz, Forty-first and Poplar streets, Philadelphia. Brick, 3 stories, consists of front addition, 16x18 feet, slag roof, tile work, hot water heating, terrazzo floors, electric lighting. Plans about completed. Owner will take bids in about one week.

Bakery, 4106 Poplar street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, A. Leibovitz, Forty-first and Poplar streets, Philadelphia. Brick and stone, 1 story, slag roof, skylights, electric lighting, tile work, enameled bricks, electric lighting. Plans about completed. Owners will be ready for bids in about one week.

Sunday School and Parsonage, Twelfth and Wyoming avenue, \$60,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Logan United Brethren Church, Rev. S. C. Enck, 5845 Catherine street, Philadelphia. Stone, 2 and 2½ stories, slate roof, steam heating, electric lighting, tile work.

Plans about completed. Architect will take bids in ten days.

Church, Haines and Morton streets, Philadelphia. Architect, Harry G. Hammer, Glenside, Pa. Owners, Italian R. C. Church of Our Lady of the Rosary, Rev. Peter Montiani, 500 E. Chelton avenue, Philadelphia. Stone, 1 story, 45x90 feet, slate roof, steam heating, electric lighting, tile and marble work. Plans in progress.

Residences (36), Sixty-third and Chestnut and Ludlow streets. Architect, private plans. Owner, E. E. Cullen, Jr., Crozer Building, Philadelphia. Brick, 3 stories, slag and tin roofs, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Owner will soon take sub-bids.

Franternity House, 3618-20 Locust street, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Phi Sigma Kappa Fraternity, 3732 Walnut street, Philadelphia. Brick, stone trimmings, 4 stories, 34x74 feet, tile roof, steam heating-electric lighting, tile work, hardwood floors. Plans about completed. Architects will take bids in about ten days.

Residence and Garage, City line, Overbrook, \$40,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edward M. Story, 413 Walnut street, Philadelphia. Stone, 2½ stories, 106x57 feet, wing 23x44 feet, tile roof, canvas floors, tile and marble work, steam heating, (electric work and parquet floors reserved). Architect taking revised bids, due January 15th. The following are figuring: Loos Dothard, Commercial Trust Building; George & Borst, 277 S. Eleventh street; Stacy Reeves & Sons, 2011 Market street; Milton W. Young, Overbrook, Pa.; Metzger & Fisher, Denckla Building; Geo. F. Payne & Co., 401 South Juniper street; A. L. Fretz & Son, 1222 Chancellor street; and J. Sims Wilson Co., 1125 Brown street, Philadelphia.

Church (alts.), Seventh street, below Girard avenue, Philadelphia. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owners, Second Baptist Church, Rev. E. W. Powell, 3819 N. Sixteenth street, Philadelphia. Consists of interior alterations, metal

lath, waterproofing. Revised plans in progress. Architect will take bids in about two weeks.

Store and Residence (add.), 6118 Market street. Architect, H. E. De Hoff, 48 S. Sixty-first street, Philadelphia. Owner, Thomas M. Mullray, 6113 Market street, Philadelphia. Consists of back addition, 2 stories, 16x20 feet, slag roof. Plans in progress. Architect will take bids in about two weeks.

Parochial School, Fifth and Girard avenue, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, St. Peter's R. C. Church, care Rev. Francis Auth, C. S. S. R., on premises. Consists of modernizing old school, addition to eight classrooms, teachers' rooms, new toilet rooms, etc., brick, granite veneer. Plans in progress. Too early for details.

Bakery and Dwelling, Seventh and Emily streets. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, name withheld. Brick and stone, 3 stories, 18x62 feet, slag roof, hot water heating, electric lighting, tile work, bake ovens. Plans in progress. Architect will take bids in about two weeks.

Factory (add.), 1004 Pine street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Brill Bros., 1004 Pine street, Philadelphia. Brick, 3 stories, back addition, 20x66 feet, slag roof, hot water heating, electric lighting, fire tower, elevator, metal ceilings. Revised plans completed. Owners are ready for general bids.

High School, Coral and Cumberland streets, \$400,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of education, City Hall. Brick, stone, terra cotta, concrete and steel, fireproof, 3 stories, slag roof, metal lath, tile and marble work, (heating, plumbing and electric work separate bids). Plans about completed. Ready for bids.

Power House, American and Somerset sts., Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Haffleigh & Co., on premises. Brick, concrete and steel, 1 story, 40 x 40 feet, slag roof, concrete floors, steam heating, electric lighting.

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Plans about completed. Architect will take bids in about one week.

Residences (128), Logan and Germantown. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, name withheld. Brick, 2 stories, slag roof, electric lighting, hot water heating, hardwood floors. Architects wants sub-bids on all lines as soon as possible.

Residence, Lincoln Drive, Philadelphia. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, Samuel Knockson, care architects. Brick, 2 1/2 stories, 55x32 feet, slate roof, hot water heating, hardwood floors, tile work, electric lighting. Architects taking bids, due January 13th. The following are figuring: Joseph Bechtel, Fifteenth and Race streets; I. T. Shoemaker, 1309 Walnut street; Wm. Henderson & Son, 327 S. Twentieth street; A. G. Sparks, Merion, Pa.

Garage and Hall, Allegheny avenue and Rosehill street. Architect, private plans. Owner, Elmer Miller, 2737 N. Front street, Philadelphia. Brick, 2 stories, slag roof, steam heating, electric lighting. New plans in progress. Owner will soon be ready for bids.

Residence, Somerton, Philadelphia. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, C. Worthington, Somerton, Philadelphia. Frame and stucco, 2 1/2 stories, 30x30 feet, shingle roof, hot water heating, electric lighting. Architect taking bids. Eugene Tourison, 1001 Chestnut street, is figuring (only bidder).

Loft Building, northeast corner of Thirteenth and Appletree streets, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Louis A. Belmont, 726 Market street, Philadelphia. Re-

inforced concrete, brick and terra cotta, 9 stories, 83x100 feet, slag roof, steam heating, electric lighting, 2 elevators, fire doors, steel rolling doors, safety treads, iron stack, tile and marble work, waterproofing. Architect taking bids, due January 17th. The following are figuring: Cramp Co., Denckla Building; Warren, Moore & Co., Commercial Trust Building; William Steele & Sons Co., 1600 Arch street; H. C. Rea Co., 1027 Wood street, Philadelphia.

Store and Business Building, southeast corner of Broad and Brown streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut st., Philadelphia. Agent for owner, John H. Sinberg, 1218 Chestnut street, Philadelphia. Brick, stone, terra cotta and concrete, 5 stories, slag roof, steam heating, electric lighting, elevators. Plans in progress.

Residences (40), Fifty-ninth and Callowhill streets, Philadelphia. Architect, private plans. Owner, Benjamin L. Carroll, Sixty-third and Arch streets, Philadelphia. Brick, 2 stories, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

Storage Warehouse, Thirty-eighth and Powelton avenue, Philadelphia. Architects, A. B. Gill M. Roy Sheen, 1655 North Fifty-sixth street, Philadelphia. Owners, Powelton Storage Co., on premises. Brick, 5 stories, 67x41 feet, slag roof, steam heating, electric lighting, elevator, fire doors, rolling steel doors. Owners taking bids, due January 17th. The following are figuring: Thomas C. Trafford, 1713 Sansom street; Stacy Reeves & Sons, 2011 Market street; Boyd & Carmichael, 211 East Willow Grove avenue, and M. Roy Sheen, 450 North Wilton street.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Bank and Office Building (alts.), Fourth and Market streets, \$5,000. Architect, private plans. Owners, Central Trust and Savings Co., on premises. Consists of interior alterations. Contract awarded to Roydhouse-Arey Co., Fidelity Building, Philadelphia.

Office Building (add.), Richmond and Norris streets, \$18,000. Architect, private plans. Owners, Wm. Cramp Ship & Engine Building Co., on premises. Brick, concrete and steel, 3 stories, 36x70 feet, slag roof, steam heating, electric lighting. Contract awarded to Hoff-

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man Engineering & Construction Co., Pennsylvania Building, Philadelphia.

Store Building (alt. and add.), northeast corner of Seventeenth and Sansom streets. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Harrison E. Morse, 135 South Fifteenth street, Philadelphia. Brick, 3 stories. Consists of remodeling residence into store building, steam heating, electric lighting. Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Garage and Hall, Allegheny avenue and Rosehill street, \$8,000. Architect, private plans. Owner, Elmer Miller, 2737 North Front street, Philadelphia. Brick, 2 stories, 52x160 feet, slag roof, steam heating, electric lighting. Contract awarded to Alpha Engineering

and Contracting Co., Heed Building, Philadelphia.

Office Building (alts.), 1230 Arch street, Philadelphia, \$5,200. Architect, private plans. Owners, Bell Telephone Co. of Pennsylvania, on premises. Brick, terra cotta and steel, 8 stories. Consists of rearranging offices, new partitions, etc., composition floors, electric lighting, plumbing. Contract awarded to Pomeroy Const. Co., 1609 Ransstead street, Philadelphia.

Residence, Twelfth and Cheltenham avenue, \$9,000. Architect, private plans. Owner, Emil Veit, 1821 Tioga street, Philadelphia. Stone, 3 stories, 26x38 feet, slate roof, hot water heating, electric lighting, tile work. Contract awarded to Arthur V. Turner, 6328 N. Camac street, Philadelphia.

PENNSYLVANIA Construction News

Church (new front), Hanover, Pa., \$12,000. Architect, Edward Leber, Hay Building, York, Pa. Owners, St. Joseph's R. C. Church, Rev. J. A. Huber, Hanover, Pa. Granite and limestone trimmings, tile work, (3) art glass windows. Plans in progress.

Residence, York, Pa., \$10,000. Architects, Gemmill & Billmeyer, York, Pa. Owner, Charles Kurtz, York, Pa. Brick, stone trimmings, 2½ stories, 47x34 feet, slate roof, heating not decided, electric lighting, hardwood floors, tile work. Plans in progress.

Club House, York, Pa., \$60,000. Architects, Gemmill & Billmeyer, York, Pa. Owners, Loyal Order of Moose No. 148, York, Pa. Brick, stone trimmings, 4 stories, 29x240 feet, slag roof, steam heating, electric lighting, composition floors, tile work, metal lath. Plans in progress. Architects will take bids about March 15th.

Residence, York, Pa., \$6,000. Architects, Gemmill & Billmeyer, York, Pa. Owner, Curtis Stitzel, York, Pa. Brick, 2½ stories, 30x40 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architects taking bids. Casper H. Oerman, and S. F. Glatfelter, York, Pa., are figuring.

Retaining Walls, etc., Harrisburg, Pa., \$5,000. Architect, C. A. Keyworth, State Capitol, Harrisburg, Pa. Owners, State of Pennsylvania, State Armory Board, Major Benjamin Denning, Harrisburg, Pa. Consists of improvements to armory grounds, reinforced concrete retaining walls, steps and curbing, galvanized iron guard rails. Plans completed. Ready for bids.

Store and Apartments, Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, The Doehn Estate, C. A. and G. L. Doehn, Harrisburg, Pa. Brick and reinforced concrete, 4 stories, 100x106 feet, slag roof, vapor heating, electric lighting, concrete floors, tile and terrazzo floors, metal lath, metal sash. Plans in progress.

Bungalow, Duncannon, Pa., \$6,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, D. F. Umberger, Harrisburg, Pa. Frame, 1½ stories, 26x55 feet, shingle roof, vapor heating, electric lighting, hardwood floors. Plans in progress.

Residence (remodeling), Conshohocken, Pa. Architect, Wm. Wayne, Jr., 311 S. Hicks st., Philadelphia. Hollow tile, brick, limestone trimmings, 3 stories, 72x34 feet, shingle roof, oak floors, cork tile floors, (heating, plumbing and electric work reserved). Architect taking bids, due January 13th. F. L. Hoover & Sons, 1023 Cherry street, and Wm. H. Eddleman & Son, 453 Green Lane, Roxborough, Philadelphia, are figuring.

Club House (alts.), Philmont, Pa. Archi-

tecs, Magaziner & Potter, 603 Chestnut st., Philadelphia. Owners, Philmont Country Club, Philmont, Pa. Frame, 2 stories, consists of interior alterations, new stairs, fire escapes, etc. Architects taking approximate bids. Thomas C. Trafford, 1613 Sansom street, Philadelphia, is figuring.

Church and Parsonage, Williamsport, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Newberry M. E. Church, Williamsport, Pa. Brick and steel, church, 1 story, 58x90 feet; parsonage, 2½ stories, 25x60 feet, slate and tin roofs, steam heating, electric lighting, metal lath, damp-proofing, cork and tile floors. Plans in progress. Architect will take bids about February 15th.

Store and Apartments, Carlisle, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, J. M. Houston, Carlisle, Pa. Brick and steel, 3 stories, 29x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Warp Shed, Darby, Pa. Engineers, Willard Case Co., Whitehall Building, New York City. Owners, Griswold Worsted Co., Darby, Pa. Frame, concrete foundations, 1 story, 110x36 feet, Barrett roof, metal sash. Engineers taking bids, due as soon as possible. Barclay White & Co., Perry Building, Philadelphia, are figuring.

Store and Lodge Building, East Greenville, Pa., \$20,000. Architect, G. C. Freeman, Reading, Pa. Owners, company, care John Gerhardt, East Greenville, Pa. Brick, 3 stories, 60x125 feet, slag roof, steam heating, electric lighting. Owners taking bids due January 17th. James P. Farrell & Co., 1619 Sansom street, Philadelphia, are figuring.

Residence and Garage, Drexel Hill, Pa. Architect, E. Kenney Crothers, 5218 Chestnut street, Philadelphia. Owner, F. W. Cassidy, Seventeenth and Wharton streets, Philadelphia. Stone, 3 stories, 44x29 feet, wing 17x12 feet, asbestos shingle or slate roof, hot water heating, electric lighting; garage, 1 story, stone and hollow tile. Architect taking bids, due January 15th. The following are figuring: John D. Moore, Llanerch, Pa.; Harry W. Koch, Drexel Hill, Pa.; Harry Davis, 5100 Westminster avenue, and M. Atlee Ermold, Manhattan Building, Philadelphia.

Residence and Garage, near Merion, Pa., \$30,000. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owner, W. B. Sheppard, Bellevue-Stratford Hotel, Philadelphia. Hollow tile and plaster, 2½ stories, 23x75 feet, tie or slate roofs, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids.

Parochial School, Berwyn, Pa. Architect,

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Ralph E. White, Pennsylvania Building, Pa. Owners, St. Monica's R. C. Church, Berwyn, Pa. Brick and stone, 2 stories, slate roof, steam heating, electric lighting, slate blackboards. Plans in progress. Architect will take bids in about two weeks.

Armory, West Chester, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State Armory Board, care Major Benjamin Denning, Harrisburg, Pa. Brick, stone trimmings, 1 story, slag roof, steam heating, electric lighting, metal lath. Plans in progress. Owners will advertise for bids in a few days.

Apartment House, Eddystone, Pa. Architect, Herman H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, John N. Kennedy, Jr., 1000 Chestnut street, Philadelphia. Brick and stone, 2 stories and basement, 40x103 feet, sla roof, hot water heating, dumb-waiters, electric lighting. Plans in progress. Owner will ge ready for sub-bids in one week.

High School, Lancaster, Pa., \$185,000. Architect, C. Emlon Urban, Woolworth Building, Lancaster, Pa. Owners, Board of Education, Lancaster, Pa. Brick, 2½ stories, 150x150 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing, slate blackboards, maple floors. Plans about completed. Owners will soon advertise for bids.

Store and Office Building (add.), Lancaster, Pa., \$9,000. Architect, M. R. Evans, 10½ E. Orange street, Lancaster, Pa. Owner, D. L.

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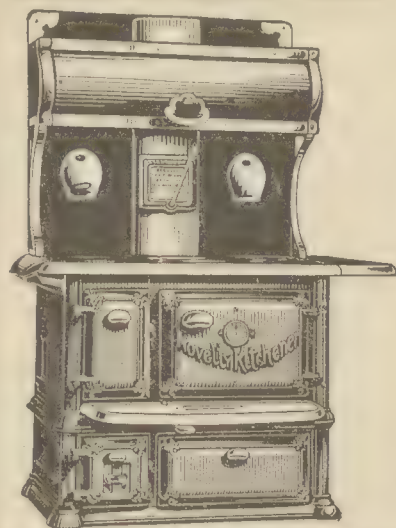
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Harnish, Lancaster, Pa. Brick and terra cotta, 3 stories, 30x62 feet, slag roof, electric lighting (steam heating reserved). Owner is taking bids.

Garage, York, Pa., \$20,000. Architect, J. A. Dempwolf, York, Pa. Owners, Anderson Motor Co., York, Pa. Brick and reinforced concrete, 3 stories, 60x90 feet, slag roof, steam heating, electric lighting, elevator. Architect and owner are taking sub-bids.

Apartment (alt. and add.), Lancaster, Pa. Architect, M. R. Evans, 10½ E. Orange st., Lancaster, Pa. Owner, David Rose, Lancaster, Pa. Brick, 2 stories, 34x30 feet, slate roof, electric lighting (steam or vapor heating reserved). Owner taking bids. The following are figuring: J. P. Brennehan, S. H. Bally, H. L. Wiant, all of Lancaster, Pa.

Dormitory (add.), Haverford, Pa. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, Haverford College, Haverford, Pa. Stone, 3 stories, 85x35 feet, green slate roof, tile and marble work, waterproofing, reinforced concrete floors in bathrooms, iron stairs, safety treads, (heating and electric work reserved). Architects taking approximate bids, due January 17th. Wm. R. Dougherty, 1610 Sansom street, is figuring.

Residence, Cynwyd, Pa. Architect, E. B. Delk, 34 S. Seventeenth street, Philadelphia. Owner, name withheld. Hollow tile and plaster, 2½ stories, 40x86 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Plans in progress.

Garage, Rutledge, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Paul Hertel, Rutledge, Pa. Stone, 1 story, 26x18 feet, slate roof, electric lighting, cement floors. Architect taking bids, due January 15th. The following are figuring: M. P. Ackerman, Morton, Pa.; Thos. W. Stackhouse, Rutledge, Pa., and S. B. Coleman, Rutledge, Pa.

Garage (alt. and add.), Reading, Pa. Architect, Fritz Ehrsam, 922 Penn street, Reading, Pa. Owner, Dr. Frank Lawrence, Reading, Pa. Brick, 1 story, 100x16 feet, prepared roofing, steam heating, electric lighting, concrete floors, metal lath, waterproofing. Architect taking sub-bids.

Church (alt. and add.), Hecktown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Dryland Union Lutheran Reformed Church, J. A. Klick, Nazareth, Pa. Brick, stone trimmings, 1 story, 60x50 feet, slate roof, steam heating, electric lighting, maple floors, metal lath. Plans in progress.

High School, Lehigh, Pa., \$80,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. F. Rehrig, secretary, Lehigh, Pa. Brick, 2 stories, 120x130 feet, composition roof (electric lighting, heating and plumbing separate bids). Revised plans in progress.

Residence (alt. and add.), Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Dr. John Beatlie, Lebanon, Pa. Brick, 2 stories, 30x60 feet, composition roof, steam heating electric lighting, metal lath, hardwood floors. Architect taking bids. The following are figuring: Snopce Bros., Shenn Bros., Lebanon, Pa.

Residence and Garage, near Merion, Pa., \$30,000. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owner, W. B. Sheppard, Bellevue-Stratford Hotel, Philadelphia. Hollow tile and plaster, 2½ stories, 23x75 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due January 19th. The following are figuring: James B. Flounders, 1329 Arch street; J. J. Murphy Co., 1129 South Wilton street; Milton W. Young, Overbrook, Philadelphia; Loos & Dothard, Commercial Trust Building; Henry L. Brown, 1714 Sansom street; Eugene Tourison, 1001 Chestnut street; George & Borst, 277 South Eleventh street; J. Sims Wilson Co., 1125 Brown street; A. L. Fretz & Son, 1222 Chancellor street; Mowber Bros., Merion, Pa.; Gray Bros., Rosemont, Pa.

Residence and Garage, Wallingford, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, H. E. Marlor, Norwood, Pa. Stone, 2½ stories, 26x65 feet; garage, 1 story, 20x30 feet, tile roof, electric lighting, oak floors, tile work, metal weather strips, gasoline tank and storage system (heating reserved). Revised bids due as soon as possible. James B. Flounders, 1329 Arch street, and J. J. Murphy & Co., 1129 South Wilton street, are figuring.

Residence, Ithaca, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut st., Philadelphia. Owner, Nadine C. Prew, Wayne, Pa. Frame and stucco, 2½ stories, 27x52 feet, shingle roof, vapor heating, electric lighting, tile work. Architects taking bids. Eugene Tourison, 1001 Chestnut street, Philadelphia, is figuring (only bidder).

Residence, Swarthmore, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Samuel C. Palmer, Swarthmore, Pa. Stone, 2½ stories, 51x32 feet, shingle roof (heating, plumbing and electric work

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separate bids). Architects taking bids, due January 18th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; R. C. Ballinger & Co., 218 North Thirteenth street; H. E. Grau Co., 1707 Sansom street; A. L. Fretz & Son, 1222 Chancellor street; F. B. Davis, 240 North Sixteenth street; James B. Flounders, 1329 Arch street, and William

J. Gruhler & Co., 219 East High street.

Bank Building, Ardmore, Pa. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owners, The Merion Title and Trust Co., Ardmore, Pa. Stone, 1 story, 50x110 feet, steam heating, electric lighting, tile and marble work, banking fixtures. Plans in progress.

PENNSYLVANIA

Contracts Awarded

Cigar Factory, Harrisburg, Pa., \$65,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, T. J. Dunn & Co., 438 E. Ninety-first street, New York City. Lessees, Dauphin Cigar Co., Harrisburg, Pa. Brick, 6 stories, 164x82 feet, composition roof, steel sash, waterproofing, iron stairs, (heating, plumbing and electric work separate bids). Contract awarded to Herman Voigt, 1228 N. Twenty-eighth street, Philadelphia.

Institution Buildings, Spring City, Pa., \$350,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Eastern Penna. State Institution for Feeble-minded and Insane, care Henry W. Walton, Real Estate Trust Building, Philadelphia. Consists of (4) 2-story buildings, 2 dormitories, infirmary, administration building and connecting corridors, brick, stone and terra cotta, slate and slag roofs, metal lath, waterproofing, enameled bricks, metal weather strips, marble and terrazzo floors, iron stairs, safety treads, (heating, plumbing and electric work separate bids). Contract awarded to F. H. Keiser & Co., Pottstown, Pa.

Farm Barn (alt. and add.), Newtown Square, Pa., \$10,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Mrs. Mark Hopkins, Jr., Newtown Square, Pa. Stone, 2 stories, shingle roof (plumbing, heating and electric work reserved). Contract awarded to J. W. Worrlow, Media, Pa.

Residence, Moylan, Pa., \$12,000. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Wm. S. Ellis, 1628 Chestnut street, Philadelphia. Brick and plaster, 2½ stories, 54x29 feet, slate roof, hardwood floors, tile work, (heating, plumbing and electric work reserved). Contract awarded to R. C. Ballinger & Co., 218 N. 13th street, Philadelphia.

Residence and Garage, Oak Lane Park, Pa., \$10,000. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Thomas D. Querns, 3201 Turner st., Philadelphia. Stone, 2½ stories, 27x46 feet, wing 20x25 feet, slate

roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

Residence, Melrose avenue, Oak Lane, Pa., \$9,000. Architect, Edwin A. Yeo, Stephen Girard Building, Philadelphia. Owner, Mrs. Wm. S. Yeo, 1861 Frankford avenue, Philadelphia. Stone, 2½ stories, 28x42 feet, shingle roof, tile work, oak floors (heating and electric work reserved). Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Residence (alt. and add.), Huntingdon, Pa., \$18,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Thomas F. Bailey, Huntingdon, Pa. Brick, 2½ stories, 32x100 feet, slate or tile roof, steam heating, combination lighting, tile and hardwood floors. Contract awarded to J. H. Hall, Huntingdon, Pa.

Bridge, Reynolds, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Atlas Powder Co., Wilmington, Del. Concrete abutments, steel superstructure, (2) 60-foot spans. Contracts awarded, substructure to Robert Grace Contracting Co., Pittsburgh, Pa.; superstructure to Keystone Structural Co., Harrison Building, Philadelphia.

Residence, St. Davids, Pa., \$10,000. Architect, Ralph E. White, Penna. Building, Philadelphia. Owner, W. L. Moorhouse, Ambler, Pa. Hollow tile and stucco, 2½ stories, 42x60 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

Residence, Garage and Gardener's Cottage, Rydal, Pa., \$20,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. Henry Dimond, Rydal, Pa. Stone (whitewashed), 2½ stories. Residence, 100x30 feet, tile work, hardwood floors (heating, plumbing and electric work reserved). Contract awarded to James B. Flounders, 1329 Arch street, Philadelphia.



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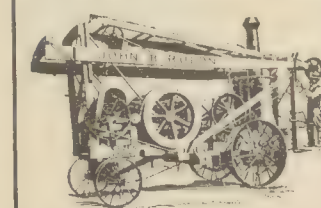
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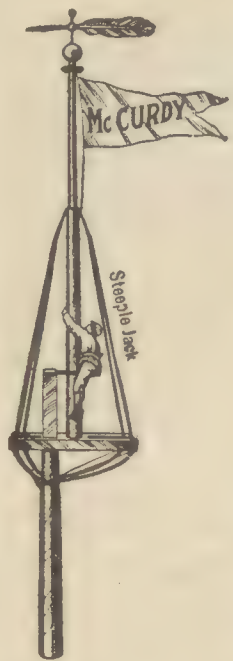
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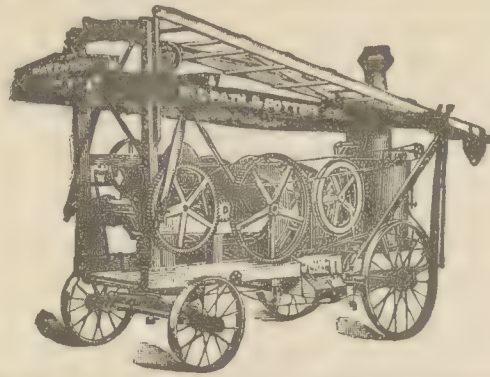
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NEW JERSEY Construction News

School, Trenton Junction, N. J., \$20,000. Architect, R. A. Shumann, 341 Tyler street, Trenton, N. J. Owners, Board of Education, Ewing Township, N. J. Brick, 1½ stories, 103x105 feet, slate roof, hot air heating, fan system, electric lighting. Plans in progress.

Residences (2), 219 Rosemont ave., Trenton, N. J., \$4,000. Architect, Wm. P. Endebrock, American Mechanics Building, Trenton, N. J. Owner, W. J. Morris, Broad Street Band Building, Trenton, N. J. Brick, 2½ stories, 15x34 feet, slag and slate roof, hot water heating, combination lighting. Owner is subletting all contracts.

Residence, Trenton, N. J., \$6,000. Architect, J. P. Potte, 131 Jackson street, Trenton, N. J. Owner, name withheld. Brick, 2½ stories, 35x40 feet, slate roof, hot air heating, electric lighting. Plans in progress.

Store (alt.), 416 N. Broad street, Trenton, N. J., \$4,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Yards Store, 4 N. Broad street, Trenton, N. J. Consists of new fronts. Plans in progress.

Twin Residence, Stone Harbor, N. J. Architect, private plans. Owners, Scully & O'Kane, care builder. Frame and concrete foundation, 2½ stories, shingle roof, hot air heating, electric lighting. Builder D. F. Wholey, 1109 W. Indiana avenue, wants sub-bids on all lines in about one week.

High School, Camden, N. J., \$400,000. Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owner, Board of Education, Camden, N. J. Brick, stone, terra cotta and steel, fireproof, 2 stories, 250x178 feet, composition roof, mechanical fan system of heating, electric lighting. Plans in progress. Owners will be ready for bids in about one month.

Library Building, Camden, N. J., \$130,000. Architects, Karcher Smith, 34 S. Seventeenth street, Philadelphia. Owners, City of Camden, Camden, N. J. Donor, Eldridge R. Johnson, president, Victor Talking Machine Co., Camden, N. J. Stone and steel, fireproof, 1 story, steam heating, electric lighting, marble work, metal lath. Plans in progress. Architects will take bids in about six weeks.

Church and Sunday School, Bridgeton, N. J., \$30,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Wesley Memorial M. E. Church, Rev. Geo. W. Abel,

Bridgeton, N. J. Stone, 1 and 2 stories, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in about one week.

Church, Gibbstown, N. J., \$12,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Gibbstown M. E. Church. Stone or brick, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Garage, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, Roger Henry, Trenton, N. J. Brick, 2 stories, 41x118 feet, slag roof, steam heating, electric lighting, concrete floors. Architects taking bids, due January 12. The following are figuring: William Ivins, Burton & Burton, Morris Levy, Joseph Drugan, William Morris, Andrew Toner, Charles Y. Barlow, Charles Rendell, all of Trenton, N. J.

New Jersey Contracts Awarded

Twin Residence, Trenton, N. J., \$4,000. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton. Owner, John M. Cronin, Trenton, N. J. Brick, 2½ stories, 28 x41 feet, slate and tin roof, hot air heating, combination lighting. Contract awarded to David Teitz & Sons, Trenton, N. J.

Residences (2), Allenhurst, N. J., \$25,000. Architect, Walter F. Price, 714 Walnut st., Philadelphia. Owner, Mrs. R. S. Schultz, 4408 Pine street, Philadelphia. Hollow tile and plaster, 2½ stories, 48x54 feet each, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Herbert L. Walton, Moylan, Pa.

Sunday School Building, Camden, N. J., \$30,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, State Street M. E. Church, Camden, N. J. Stone, 2 stories, slate roof, steam heating, electric lighting. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

Factory Building, Trenton, N. J., \$8,000. Architect, private plans. Owners, Joseph Stokes Rubber Co., Trenton, N. J. Brick and steel, 2 stories, 75x90 feet, slag roof, steam heating, electric lighting. Contract awarded

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to Newton A. K. Bugbee & Co., 206 East Hanover street, Trenton, N. J.

Store and Apartments, Roebling N. J., \$10,000. Architect, Robert A. Shuman, 341 Tyler avenue, Trenton. Owners, Stern Bros., Roeb-

ling, N. J. Brick and steel, 3 stories, 25x150 feet, slag roof, steam heating, electric lighting, metal lath. Contract awarded to Alex. P. Bright, Bridgeboro, N. J.

Residence, Charles street and Malvern avenue, Baltimore. Architects, Mattu & White, 322 North Charles street, Baltimore. Owner, L. B. Carton, care of Swift & Co., Baltimore. Brick and stone, 2* stories. Contract awarded to G. Walter Tovell, Eutaw and McCulloh streets, Baltimore, Md.

Miscellaneous Construction News

Apartment House, Wilmington, Del. Architects, E. L. Rice, Jr. Co., 815 Market street, Wilmington, Del. Owner, name withheld. Brick, stone and steel, 5 stories, 93x63 feet, slag and tile roof, vapor heating, electric lighting, tile, cory and hardwood floors, metal lath, dampproofing, electric elevator, (4) dumbwaiters, gas ranges, laundry equipment, refrigerating plant, vacuum cleaning plant. Architects taking bids. John E. Healy & Son, 707 Tatnall street, Wilmington, Del., only bidders.

Department Store (alt. and add.), Wilmington, Del., \$15,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, name withheld. Brick, terra cotta and steel, 3 stories, 45x150 feet, tin roof, steam heating, electric lighting, tile work, hardwood floors, metal lath. Plans in progress.

Office Building (alt. and add.), Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, name withheld. Brick, stone and steel, 3 stories, 36x80 feet, tin roof, steam heating, electric lighting, tile work, metal lath, vault dorrs. Contract awarded to J. A. Bader Co., Dupont Building, Wilmington, Del.

Residence (alt. and add.), Claymont, Del., \$5,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Royal C. Hull, 1607 W. Thirteenth street, Wilmington, Del. Brick, 2½ stories, 30x40 feet, tin roof, steam heating, electric lighting, tile work, hardwood floors. Contract awarded to J. A. Bader Co., Dupont Building, Wilmington, Del.

Warehouse and Garage, Broadway, south of Astor Place, New York City, \$600,000. Architects, William Steele & Sons Co., 1600

Arch street, Philadelphia. Owner, John Wanamaker, Thirteenth and Market streets, Philadelphia. Brick, concrete and steel, fireproof, 7 stories, 120x275 feet, slag roof, steam heating, electric lighting, elevators, steel sash, waterproofing. Plans completed. Builders, William Steele & Sons Co., 1600 Arch street, Philadelphia, ready for sub-bids.

Bank and Office Building, Middletown, N. Y. Architect, D. H. Canfield, Middletown, N. Y. Owners, Merchants' National Bank, Middletown, N. Y. Brick, terra cotta and steel, fireproof, 6 stories, 98x34 feet, Barrett's and promenade tile roof, concrete floors, metal lath, steam or vapor heating, electric lighting, metal doors, iron stairs, marble, tile and terrazzo floors. Architect taking bids, due January 24th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Freight Warehouses (2), New York City. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore and Ohio Building, Baltimore. Steel and galvanized iron, concrete foundations, 1 story, 116x51 feet, slag roof, mastic floors. Owners taking bids. Roydhouse-Arey & Co., Fidelity Building, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Store and Office Building, Hillsborough, Fla. Architects, Bonfoey & Elliott, Tampa, Fla. Owner, J. M. Harvey, Hillsborough, Fla. Brick, 2 stories, 55x45 feet, slag roof, electric lighting, concrete or wood floors (heating reserved). Architects taking bids. Roydhouse-Arey & Co., Fidelity Building, Philadelphia, are figuring.

Permits for New Buildings

Mrs. Emma Stevens (O), 6353 York road. F. W. Burdholder (C), 1309 Champlost avenue. Cost, \$3,800. Two dwellings, brick, 2 stories, 27x32 feet, Medary street and Park avenue.

John Craig (O), 100 Nippon street. Cost, \$19,200. Six dwellings, brick, 2 stories, 16x47 feet, Highland avenue and Anderson street.

Ernest J. Kurtz (O), 43 North Second street. E. J. Kreitzburg (C), 1345 Arch street. Cost, \$10,085. Dwelling, stone, 3 stories, 42x46 feet, Forty-ninth and Monument road.

Thomas Howarth (O), 3881 Manayunk avenue. Cost, \$1,800. Two dwellings, brick 2 stories, 16x41 feet, Luariston street and Ridge avenue.

Arthur Turner (O), 6328 North Camac st. Cost, \$4,500. Dwelling, stone, 2 stories, Cheltenham avenue and Twelfth street.

M. Cross (O), 1946 South Tenth street. Hand & Sloan (C), 1013 McKean street. Cost, \$2,800. Store and dwelling, brick, 3 stories, 16x59 feet, 1946 South Tenth street.

George W. Blabon Co. (O), Nicetown. Harrison C. Rea Co. (C), 1027 Wood street. Cost, \$14,000. Pump house and oxidizing house, brick, 1 story, Blabon street and P. & R. R. R.

Brill Bros. (O), 1004 Pine street. Cost, \$8,500. Factory, brick, 4 stories, 20x100 feet, 1004 Pine street.

Thomas Quirk (O), 1143 Herbert street. Rush Bros. (C), 1100 Fillmore street. Cost, \$7,800. Dwelling, brick, 3 stories, 21x45 feet, Arrott and Horrock streets.

A. T. Baker Co. (O), Manayunk. Barclay White Co. (C), Perry Building. Factory, brick, 4 stories, 209x60 feet, Fountain and Nixon streets.

Daniel Crawford, Jr. (O), 701 North Sixty-third street. Cost, \$80,000. Tenement house, stone and brick, 4 stories, 66x186 feet, 6154-56 Upsal street.

William Barharach (O), Philadelphia. H. B. Shetzline (O), 2315 South Thirteenth street. Cost, \$4,500. Store and storage, stone and brick, 3 stories, 32x44 feet, Clarion and Moyamensing avenue.

Board of Education (O), Land Title Building. W. Beaumont (C), Stephen Girard Building. Cost, \$58,145. School, brick, 3 stories, 36x105 feet, Seventieth and Woodland avenue.

C. Webster & John Lutz (O), Burkholme, Pa. Kirby Building Co. (C), Croyden, Pa. Cost, \$5,700. Two dwellings, stone, 1 story, 27x49 feet, Bingham and Vincent streets.

M. Harris (O), 1922 North Twelfth street. F. L. Davis (C), Thirteenth and Nedro avenue. Cost, \$5,800. Dwelling, brick, 3 stories, 27x37 feet, Twelfth avenue and Sixty-sixth avenue.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.—Exchange.

MARYLAND

Construction News

Residences (21), Guilford avenue, Baltimore, \$63,000. Architect, Jacob F. Gerwig, 1028 North Fulton avenue. Owners, E. J. Storck Realty Co., Munsey Building. Brick, 2 stories, slag roofs, steam heating, electric lighting. Architect and owners are sub-letting all contracts.

Residences, Reistertown road, Baltimore, Md. Architect, S. Russell, 2900 Clifton avenue, Baltimore. Owners, Acme Building Co., Equitable Building, Baltimore. Brick, 2 stories, slate roofs, steam heating, electric lighting. Plans in progress.

Mausoleum, Woodlawn Cemetery, Baltimore, Md. Architects, Mothe & White, 322 North Charles street. Owners, Republic Construction Co., Continental Building. White marble. Architects will take sub-bids.

Pier and Shed, Boston street, Baltimore, Md. Architect, C. M. Anderson, 324 North Charles street, Baltimore. Owners, J. S. Young Co., Boston and Elliott streets. Concrete and steel. Architect taking bids. The following are figuring: Sanford & Brooks Co., Commerce and Water streets; Singer-Pentz Co., Equitable Building; Raymond Concrete Pile Co., Munsey Building; Consolidated Engineering Co., Calvert Building.

Bath Houses, Clifton Park, Baltimore, \$125,000. Architects, Wyatt & Nolting, Keyser Building, Baltimore. Owners, City of Baltimore, Park Board, City Hall. Consists of 3 buildings. Reinforced concrete, brick and steel, basement only to be erected at first. Plans in progress.

Maryland

Contracts Awarded

Residence, Guilford, Md. Architect, E. L. Palmer, Jr., Roland Park, Baltimore. Owner, Mary A. Stanford, Guilford, Baltimore, Md. Stone and frame, 2½ stories. Contract awarded to Roland Park Co., Roland Park, Baltimore, Md.

Picture Theatre, North avenue and Ninth street, Baltimore, \$40,000. Architect, J. E. Laferty, 11 East Pleasant street, Baltimore. Owners, Walbrook Amusement Co., Baltimore, Md. Brick, 2 stories, 50x121 feet, slag roof, steam heating, electric lighting. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Alterations and Additions

John T. Baily Co. (O), Water and Tasker streets. William Easterbrook (C), 146 North Fourth street. Cost, \$500. Factory, Water and Tasker streets.

E. Sutro & Co. (O), Clearfield and Thompson streets. Cost, \$2,500. Hosiery mill, Thompson and Clearfield streets.

Central Trust and Saving Co. (O), Fourth and Market streets. Roydhouse-Arey Co. (C), Fidelity Building. Cost, \$5,000. Bank and office building, Fourth and Market streets.

William Sweet (O), 1921 South Front street. Monroe & Hummell (C), 325 North Sixtieth street. Cost, \$4,100. Dwelling, 112 North Sixtieth street.

Mrs. Mary Copland (O), Angora, Delaware County. John P. Fallon (C), 449 South Sitix eth street. Cost, \$1,000. Dwelling, Sixtieth and Delancey streets.

J. Lutz (O), Burholme, Pa. Kirby Building Co. (C), Croyden, Pa. Cost, \$500. Garage, Bingham and Vincent streets.

C. Wurster (O), Burholme, Pa. Kirby Building Co. (C), Croyden, Pa. Cost, \$500. Garage, Bingham and Vincent streets.

Mrs. Anne Sweeney (O), Seventy-ninth and Chelwynde avenue. Thomas F. Farris (C), 5524 Locust street. Cost, \$600. Garage, Seventy-ninth and Chelwynde avenue.

Samuel Wilinsky (O), 816 Reed street. Sol Shestack & Son (C), 322 Dickinson street. Cost, \$2,700. Storage, Reed and Darien streets.

Caromon Co. (O), 917 Worth street. A. R. Raff (C), 1635 Thompson street. Cost, \$1,000. Storage, 911 North street.

Joseph Geiger (O), 2901 Oxford street. Frank I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$985. Store and dwelling, 2901 Oxford street.

Henry Disston Sons Co., Inc. (O), Tacony. F. W. Van Loon (C), Denckla Building. Cost, \$3,400. Foundry building, Unruh street and Wissinoming street.

A. G. Anerweck (O), 540 Rising Sun avenue. Birkelback Sons Co. (C), 4608 Richmond street. Cost, \$1,400. Paint store, 544 Rising Sun avenue.

L. Behman (O), 1416 Cayuga street. S. F. Brown (C), 2421 North Twenty-seventh street. Cost, \$600. Store and dwelling, 927 North Thirteenth street.

Desire Marnhout (O), 1727 North Front street. Lewis Deitrich (C), 3016 Comly street. Cost, \$600. Storage, 1727 North Front street.

Abram Block (O), 2755 Kensington avenue. M. Mourison & Son (C), 2322 North Howard street. Cost, \$1,400. Garage, 2853 Ruth street.

Abrasive Material Co. (O), James and Fraley streets. A. R. Raff (C), 1635 Thompson street. Cost, \$41,000. Factory, 3 stories, James and Fraley streets.

Burnheim & Sutheim (O), 1001 Chestnut street. Joseph Levin (C), 1530 South Sixth street. Cost, \$1,200. Manufacturing building, 210 Bain bridge street.

Harry Drake (O), 3139 Frankford avenue. Cost, \$500. Workshop, 3329-31 Coral street.

M. Hurwitz (O), 831 North Sixth street. Cost, \$1,500. Dwelling, 810 North Sixth street.

D. H. Kyle & Co. (O), 727 East Cheltenham avenue. Cost, \$500. Dwelling, 727 East Cheltenham avenue.

Greenway Hall Association (O), Fifty-sixth and Woodland avenue. E. H. Apsley (O), 1501 South Fifty-eighth street. Cost, \$500. Lodge hall, Fifty-sixth and Woodland avenue.

Fred Snyder Estate (O), 1822 North Twenty-sixth street. Cost, \$350. Dwelling, 454 North Franklin street.

William Cramp & Co. (O), Beach and Ball streets. Hoffman Eng. and Cont. Co. (C), Pennsylvania Building. Cost, \$19,650. Foundry and offices, York and Thompson streets.

W. H. Yonker (O), Fifty-sixth and Delancey streets. Federal Electric Co. (C), 1519 Sansom street. Cost, \$400. Moving picture theatre, Fifty-sixth and Delancey streets.

S. C. Krause (O), 512 South Fifth street. H. Miller (C), 427 Catherine street. Cost, \$1,200. Store and dwelling, 1408 North Tenth street.

Pennsylvania Railroad Co. (O), Broad Street Station. Brann & Stuart Co. (C), Commercial Trust Building. Cost, \$15,000. Warehouse, Thirty-first and Chestnut streets.

Walter H. Richard (O), 422 East Haines street. L. D. Stites (C), 126 Herman street. Cost, \$800. Dwellings, 443-5 East Rittenhouse street.

Charles Q. Lauers (O), 315 Northeast Boulevard. Cost, \$1,200. Garage, 4649-51 North Third street.

Philip Isacks (O), 4901 Walnut street. N. J. Benamy (C), 3042 York street. Cost, \$2,500. Store and dwelling, 5314 Market street.

Richard Y. Cooke (O), Philadelphia. Philadelphia Boiler Works (C), 1737 Filbert street. Cost, \$800. Smoke stack, 432-34 Market street.

Girard Trust Co. (O), Broad and Chestnut streets. Headley Good Roads Co. (C), 301 South Thirtieth street. Cost, \$3,000. Manufacturing building and storage, 301 South Thirtieth street.

P. R. R. Co. (O), Broad Street Station. Peoples Bros. Co. (C), Commercial Trust Building. Cost, \$9,000. Passenger station, Cheltenham avenue and P. R. R.

R. Wister Harvey (O), 226 South Nineteenth street. James Johnston (C), 1721 Ludlow street. Cost, \$7,000. Store and shop, 518-20 North Broad street.

Railway Track Works Co. (O), Thirtieth and Walnut streets. Isaac H. Days (C), Philadelphia. Cost, \$2,000. Kiln, Thirtieth and Walnut streets.

For every "one" man you can mention who has succeeded without advertising we'll agree to name ten whose greater success has been due to advertising "direct." Moral Advertiser!

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

Don't expect outsiders to give you a big rating on a one-inch space.

SOME MORE ADVERTISING "DON'T'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

If you can persuade people to buy your goods you make money. "The Guide rounds up in its clientele the people you want to persuade. A certain amount of space and the right kind of selling argument does the rest.

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

THE INHERENT QUALITIES OF BUILDING MATERIALS

An Exposition of Considerations Governing Choice

The first thought of building materials usually flashes before the prospective house builder a variety of media, each one of which, he has been confidentially told by different friends, is incontestably the best.

The question of choice, happily, is not untrammelled, but is actually limited, even when considered in its entirety; and this choice is further simplified by several very definite factors, such as cost, appropriateness and locality. The greatest confusion, perhaps, results from ideas not clearly visualized, and satisfaction in the ultimate choice should be reasonably certain if the prospective builder saw each material with its exact qualities, unshrouded by mystery or unfamiliarity. It is the purpose of this article, then, to establish certain specific premises in a carefully defined manner, confining the discussion, for the sake of simplicity, to materials used for the exterior structure of the house. The interior presents considerable complexity, and might better form the subject for separate consideration.

Let us establish two distinct sets of considerations of exterior building materials: the first, practical, involving cost, locality and stability; the second, esthetic, involving appropriateness, expression, color, texture and the like.

While it is, of course, advantageous to know what one wants, it is advisable (as well as often necessary) to let desire be governed somewhat by the first, or practical set of considerations.

Obviously, stone, brick or tile houses cost more than frame houses, but are at once permanent and comparatively fireproof. A house of fieldstone, in a brick country, would naturally cost more than a brick house in the same locality, and a brick house on a mountain top, or a remote seashore would be more expensive than a stone or frame house in such places. These are factors dictated by local individual conditions, seldom similar unless expenditure is no object, though from the point of appropriateness, local materials are more to be desired than alien materials. A brick house on a gray New England seacoast is unpleasantly conspicuous—but this is covered under the second set of considerations.

It is manifestly impossible to give a fixed table of comparative costs, owing to varied local conditions. One cannot say, "A brick house will cost you less than a stone house," either at Trenton, N. J., or Marblehead, Mass.

An approximation, however, is possible, and can serve as a partial index in the cost phase of materials. For specific local conditions rough allowance may be made, figuring a few hundred dollars more or less according to the nearness of given materials to the site. Further variations, difficult to allow definitely,

but comparatively slight, will result from local labor conditions.

An experienced builder, Mr. E. Wyatt Blanchard, has kindly assisted in the presentation of the following table of comparisons, the figures being given on a minimum unit of \$10,000, and with the hypothetical assumption that local conditions are as nearly as possible the same.

Type of Construction.	Cost of Outer Wall.	Total.	Increase.
Frame, Shingle-covered	\$945	\$10,000	
Frame, Clap-board-cov'd	985	10,040	.004%
Frame, Stucco or Wire Lath	1,171	10,226	.0226%
Hollow Tile and Stucco	1,626	10,681	.0681%
Brick	2,217	11,272	.1272%
Stone (Rough-dressed)..	2,991	12,046	.2046%
Actual Half-Timber...	3,491	12,546	.2546%

The question of stability is to be regarded as comparative—one assumes that a house of any type above will stand up, and will be weather-proof. The question is rather intended to involve the qualities of permanence, low maintenance and impervity. If low maintenance is desired, the initial cost of the house is naturally greater. To be impervious to weather, the walls of a house should be of brick or stone, its roof of tile or slate, the fittings about the chimneys and at the junction of roofs, called "flashings," as well as gutters and rain-pipes, should be of copper or lead, and the windows should be lead casements, set in lead frames in the masonry. Here would be a structure no exposed part of which could deteriorate in more than a century. English houses so built a good many hundred years ago have still the same flashings, casements, gutters and rain-pipes that were built into them. Such construction is naturally expensive, even allowing that it requires no maintenance, and at best we have to-day some parts of our houses that require occasional replacement or constant protection.

The frame house, well built and properly cared for, will last several generations, even in the destructive climate of our North Atlantic seaboard, as is evidenced by many of the ancient and proud old houses of New England—one boasts 279 years, and is still in prime condition. In salt air shingles become so hardened as almost to cease to be wood.

Brick and stone endure forever, and need only very occasional "pointing" if the mortar has disintegrated in some of the joints. With properly mixed cement mortar this necessity would not occur in a lifetime.

Stucco, as used in some parts of this country, is, comparatively speaking, new, and its condition after several hundred of years can be vouched for only in California, the South and Southwest, where climatic conditions are similar to those of Italy and Spain, where the

stucco house is as venerable as any existing. The permanence of stucco for exterior use is almost entirely dependent upon the knowledge and care with which it is mixed, and the honesty with which it is applied—considerations wherein too much care and insistence cannot be exercised.

A few years ago, there was a good deal of talk about the house of solid concrete. Concrete in itself is an excellently permanent material, and invitingly inexpensive, but its use involves the use of complete and elaborate "forms" into which it is poured. A wall here and there, an arch or pergola or exterior stair or terrace may well be built of it, but an entire house of concrete involves the cost of a large bill of lumber for "forms" to be thrown away or allowed for a fraction of its cost, to the contractor. As the "forms" leave unsightly joints and impressions, several wash coats of stucco or cement are further necessary before the house is decent to look upon.

A rare type of construction in this country, but one which is now coming into considerable attention, is real half-timber work. Its expense has been its greatest drawback, but its picturesque and structural merits have caused this to be overlooked. For many years "half-timber" has been used to describe the imitation—thin boards nailed to form patterns on stucco houses. The esthetic morality of this device (which cannot be called a "method or construction") falls under the second, or esthetic set of considerations. Actual half timber work, however, is construction—construction expressed in the exterior aspect of the house. A real half-timber house, or gable, shows the actual timbers of the house exposed, with the interstices filled in or "nogged," as the English call it, with brick. This brick may either be used decoratively to show, or may be covered with stucco.

Briefly, these constitute practical essentials involved in the choice of the materials mentioned, and the discussion now turns to the second group of considerations—embracing all that is included in design with reference to material. These considerations were given as appropriateness, expression, color and texture.

The first two are cognate, though appropriateness is the broader, and may be taken to imply natural suitability to location and stylistic suitability to design. Expression involves only the rendering of a given style. Natural suitability to location was touched upon before, and may be dismissed with the general statement that preference should be given wherever possible (and regardless of the cost consideration) to strictly local materials. It is to the use of local stones, bricks, slates and tiles that much of the charm of the English country house is due.

Generally speaking, it is well to design in materials of a similar nature—that is, to adhere to wood consistently, or to impervious materials. One often sees a house of which the walls of the first story are stone or brick, and the upper walls wood. This is frequently the result of limited expenditure. Good com-

(Continued on page 29.)

Bell Phone, Spruce 6612 Keystone Phone, Race 2799

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Irving Dillon. Editor

PHILADELPHIA, PA., January 12, 1916.

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Editorial Comment

The opinion is general among Philadelphia builders that 1916 is destined to be a record year for new construction. The fact that the total of expenditure upon new building during 1915 reached the impressive sum of approximately \$50,000,000, and that a very considerable percentage of the work embodied in this total will lap over into the new year, adding to the normal activity of the opening months, has had a quickening and stimulating influence in every avenue of the building trade. Buttressing this hopeful and reassuring outlook is the extraordinary and undiminished activity observable in various lines of manufacture, notably the iron, steel and related industries. The circumstance that a large proportion of the new work under way is for manufacturing buildings or for additions to existing factory plants goes to show that the prosperous conditions indicated are not artificial or forced, but are due to a natural expansion based on increased demand in certain lines.

It is encouraging to note, in this connection, that the expansion of resources is not confined exclusively to concerns engaged in the manufacture of war material, but extends to trade channels such as would not seem to be in any close sense related to these.

Architects in and about Philadelphia are, with few exceptions, busy with work enough to keep them going for months to come. Home building, one of the safest of barometers by which to gauge the trend of economic pressure, continues to show a healthy and growing demand, evidencing prosperous conditions among people of the working and middle classes. Viewed, by small and large, the new year gives every promise of being a year big with the possibility of new records in the field of structural activity.

* * *

As a straw indicating trade opinion with regard to the building outlook, nothing could be more reflective of the general optimistic feeling which prevails than the campaign inaugurated by the Master Builders' Exchange to infuse new life and blood into the membership of this fine, old representative building organization. For many years one of the institutions of Philadelphia and a tremendous agency for good within the zone of its influence, the Exchange has made little or no effort to attract to it the hundreds of new men who have pushed into the sphere of its activities. Doing a most commendable work along conservative lines, the Exchange has been content to depend upon the splendidly representative character of its personnel, its commanding position in the trade, and its notable permanent exhibit to bring to it such additions to its membership as might be necessary.

Within the past month there has been an awakening such as foreshadows great things

for the future of the Exchange. Membership teams are at work in a systematic campaign to add 1,000 new members within three days. This campaign opened on Monday last. It closes to-day with every prospect of success.

A more enthusiastic group of old, middle-aged and young men has never before united for any great work—great because the Builders' Exchange always was, is and ever will be one of Philadelphia's greatest organizations, and to be engaged in a work that will tend to increase its efficiency is indeed doing a noble deed.

If we are patriotic citizens and look upon our many monumental buildings with admiration and enjoy the comforts of a well-built home, we cannot help feeling a deep interest in the creators of all these things, "the master builders."

E. J. Cattell, the city's statistician, as the principal speaker at a recent dinner given by the Exchange, and told in a spirited address some real truths about Philadelphia and its builders, and predicted that the year 1916 would be one of the greatest years for the building trade in the history of the city. He also impressed upon the members of the Exchange the necessity for a strong organization to be prepared for big business.

W. Nelson Mayhew, chairman of the Membership Committee, is the human dynamo behind the movement to make Philadelphia's Builders' Exchange the biggest and most influential in the land. He has succeeded in getting the builders whose contracts run into the millions to join hands with the youngsters for the common good of the campaign. Mr. Mayhew in his remarks pointed out the many advantages of a Greater Exchange and what it means to Philadelphia, particularly to the wage-earners, who will profit greatly when the city opens its pocketbook for the building of factories, public buildings and new dwellings.

Fifty "two-men" teams have been selected to do the work. They have in hand the names of 3,500 prospects, and Messrs. Contractor, Sub-contractor and Material Man, if you are not already a member, get your pencil sharpened to sign your name to a membership card for a Great Builders' Exchange.

* * *

The purpose of the campaign at this time is to organize the builders of the city for what they believe to be one of the greatest eras of expansion the city has ever known. They estimate that this city will spend more than \$200,000,000 for buildings next year, and they want to be ready for the work which is coming their way.

* * *

An interesting feature about a new structure to be erected at 50 West Sixty-seventh street, New York, says the "American Con-

tractor," is that one section has been especially designed for the tenancy of musicians. The architects have adopted the latest sound-proof contrivances with a view of blocking the sound of a multitude of musical harmonies or otherwise before they can reach the occupants of a neighboring apartment who may desire quietude.

* * *

New York City builders and realty owners have been fighting for some time past the system in that city whereunder inspections have been needlessly and annoyingly duplicated. That the fight to eliminate much of this divided official meddling has borne fruit is shown by an article in the current number of the New York "Record and Guide."

"Yielding at last to the pressure of public opinion, if not to the necessities of the case," says the "Record," "the State Industrial Commission has consented, on the motion of the Joint Committee of Architects, Engineers and Builders, to accept from the Superintendents of Buildings certificates of examination and approval of plans and specifications of factory buildings in conformity to the State Labor Law. When plans are held at the Building Bureau for examination under the Building Code of the City of New York they will be examined at the same time to see that they are in accordance with the New York State Labor Law when the building is intended in whole or part for factory purposes. This will avoid duplication of inspection work and save the owner and his architect from the inconvenience of having to submit the plans for examination at the State Factory Bureau as well as at the Building Bureau of the borough.

"Only a few weeks ago the State Industrial Commission, which presides over the State Department of Labor, repeated, through Commissioner Lynch, with new emphasis its insistence that the safest way to build for factory purposes was first to obtain the approval of the commission, otherwise upon the completion of the building and its inspection by the State authorities expensive alterations might be necessary in order to bring it into compliance with the rules and regulations of the commission. No jurisdiction was claimed for the Department of Labor over a building in course of erection, but there was a strong intimation in the words of Commissioner Lynch that the owner would by following this course protect himself from annoyance and expense.

* * *

"On the part of the State Industrial Commission, the Superintendents of Buildings in this city, and the Joint Committee the understanding now is that the inspection of buildings of the class referred to, as of other buildings, during construction, shall be in charge of the local building bureau having jurisdiction, and upon the completion of the structure the Bureau of Inspection of the State Industrial Commission will supervise through its inspectors the maintenance of the building in compliance with the factory law. Details will be arranged by a committee representing the

several interests, and rules will be promulgated for the information of the public.

"This is a step toward the amalgamation of building inspection that comes upon the eve of mandatory legislation to that effect. A bill prepared by Commissioner Adamson at the Mayor's direction will be introduced in the Legislature for bringing together into one bureau in each borough all the duties connected with the examination of plans and the inspection of buildings of every class during construction. It will also provide for bringing together into one central department of the city government all the powers and duties of the several departments now having jurisdiction over the maintenance of buildings. The present expectation is that this measure will not only have the approval of the Mayor, but also of the Borough Presidents, the Conference Committee of Real Estate and Commercial Organizations, and the Tenement House Committee of the Charity Organization. And as its essential principles have already been agreed upon its passage by the Legislature is, for that reason, well assured.

* * *

"The action of the State Industrial Commission is fully provided for in the existing labor law, which authorizes and permits, but does not direct, the commission, as the successor of the former Labor Commissioner, to accept certificates from the local building inspectors in lieu of actual examination of plans by the engineering division of the State Commission. But it is hoped that the Mayor will not by this delayed concession be turned aside from his intention to obtain mandatory legislation for the consolidation of all inspection functions. The State factory authorities have been extremely persistent hitherto in grasping for new and arbitrary powers over real estate. They have usurped functions which they were unable to perform and have imposed obligations upon owners which at times amounted to hardships. While the State Legislature is in the mood to curb State interference of every sort with what rightfully are local functions, the city administration should not cease to press for legislation that will insure permanent relief."

C. C. SCHNEIDER DIES; NOTED AS ENGINEER.

Charles Conrad Schneider, civil engineer and one of the foremost bridge experts of the country, died on Saturday at his home, Upper Osborne, above Wissahickon.

Mr. Schneider was born in the Duchy of Saxony, Germany, 72 years ago. He was an ex-president of the American Society of Civil Engineers, and for years was chief engineer of the Pencoyd Iron Works. At the time he fell ill he was chief engineer of the American Bridge Company and had been acting for several months in the capacity of consulting engineer at the large Quebec bridge in Canada.

Mr. Schneider graduated from the Royal School of Technology, Chemnitz, Germany, in 1864. In 1867 he came to the United States and became associated with the Rogers Loco-

motive Works, Paterson, N. J., and later became an official of the Michigan Bridge Company. During his career he was member of the consulting committees for many of the large bridges in New York City and State. The Fraser River bridge, on the Canadian Pacific Railway; the Niagara River cantilever bridge, and the Stony Creek viaduct, on the Canadian Pacific Railway, were among his achievements.

In 1886 Mr. Schneider was awarded first prize for the best competitive designs for the Washington bridge across the Harlem River in New York. In the same year he received the Rowland prize from the First American Society of Civil Engineers for his paper on the construction of the Niagara River cantilever bridge. In May, 1886, he became associated with the Pencoyd Iron Works, of this city.

THE INHERENT QUALITIES OF BUILDING MATERIALS.

(Continued from page 27.)

binations of material are: brick and stone, brick and stucco on hollow terra cotta blocks, and all the impervious materials may be combined in one building—brick, stone, tile and stucco.

In the matter of appropriateness of material to style, success has very seldom been attained in building a house of a given style in a material not characteristic of that style. Certain styles are definitely associated with certain materials: Spanish and Italian houses are of stucco and tile, with details of wrought iron; French houses of the formal type, of cut stone and slate; "Colonial" houses, small, of wood with shingle or clapboard, or of fieldstone, plain or roughly stuccoed and large "Colonial" houses of brick, or of wood. The California type is either of stucco, after the fashion of Spanish and Italian houses, or constructed somewhat after the manner of Japanese houses, with timber very colloquially used. Of all types of house, the English is least characterized by any specific material, and is more than any other composed of a variety of materials in one building. There are English houses of brick, rubble-stone (not used like our fieldstone), wood, half-timber and stucco, which the English usually call "rough-cast," and with roofs of slate, tile, shingle or even thatch. It is because of this variety in material that the English house has developed along distinctively picturesque lines, and because the English architects seem more familiar with varied materials, and more ready to use them in free combinations that the English house is peculiarly interesting.

Expression is naturally involved in this question of style, the choice of material being governed by the kind of architecture which it is desired to express. As part of the tools of expression, there are qualities of color and texture in materials to be reckoned with.

Brick, to-day, exists in a range of both colors and textures practically unlimited. Stucco is also a flexible medium, which may be colored or tinted in many hues and shades

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

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and may be applied with textures ranging from perfect smoothness to the utmost roughness. Broad expanses of stucco are often relieved by a decorative expedient ordinarily called "half-timber." The demerit of the expedience lies only in attempts to confuse imitation with real half-timber work. If it is borne in mind that stained strips of wood, applied on a stucco wall or gable end, in patterns resembling half-timber work, are so placed only for their decorative effect, and with no intent to deceive, there is nothing wrong in the practice. An effect of half-timber work, not a deceptive imitation, is often essential in the design of small houses where in the actual construction would be impossibly expensive.

Reverting to the premises at the head of this article, materials, then, should be considered first along lines of practicality and appearance. Practically they should be selected with due consideration of cost, locality and stability. From the point of appearance, they should be selected as characteristic of the architectural style chosen for a given building, and as calculated to best express that style in their physical terms of color and texture.—C. Matlack Price in "Arts and Decoration."

ABSOLUTELY NECESSARY.

**We may live without poetry, music and art;
We may live without conscience and live without heart;
We may live without friends, we may live without fads;
But business to-day cannot live without ads.**

Once-in-a-while advertising is like once-in-a-while eating. Good in its way, but decidedly not nourishing.

A MANAGER'S VIEWS ON LIGHTING

Daylight gives to man nature's illuminative medium, with which he is able to do his best work with the least fatigue. The rotation of the earth azords alternate periods of light and darkness, allotting to man the alternate periods of activity and rest requisite to his constitutional temperament.

It is in the problems of illuminating places where men are concentrated into relatively small economical areas, such as we find in the modern city buildings to-day that building managers are vitally concerned.

To do this work properly and completely, the illuminating engineer should commence his work coincidentally with the preparation of the plans for the erection of the building, and should be made responsible both for the efficiency of natural illumination as well as that of artificial illumination. To obtain the best results the two must be considered together, not independently by dizerent engineers.

As natural light is of primary importance, the windows of a building should always be designed so as to afford the most useful inflow of daylight. Large windows do not necessarily accomplish this. Large windows are often a source of annoyance, and make it necessary to use artificial illumination during daylight hours simply because care has not been exercised in their location and design to take proper advantage of surrounding conditions.

Windows placed low down in a room—that is to say, with the top of the sash relatively far from the ceiling and the bottom relatively close to the floor, are very inefficient even though the windows may be large. The reason for this is that much of the light falls below the working plane, while the level at which the light is admitted is more directly in line with the normal line of vision—which is generally at an angle declining below the point of sight. The effect of this is to contract the iris and lower the seeing power. This makes a double loss, maximum illumination thrown below the working plane, restricted seeing power imposed upon the eye.

North Light the Best.

It is a well-known fact that windows which face the north afford the best kind of illumination. The reason for this is the absence of the distributing effects of the sun's rays. With windows facing north, awnings and shades are not necessary, therefore at all times maximum light admission is afforded. Good results could be obtained by the use of properly designed prismatic windows. Prismatic glass could be designed and installed so as to turn the sun's rays from the angle of impingement up to the ceiling and the useful light would be reflected therefrom. It may be possible to accomplish good results not otherwise obtainable by facing windows, instead of parallel to the face of the wall, at a slight horizontal angle to the wall, so as to admit a minimum of the direct rays of the

sun. Combinations of angularly placed windows and suitable prismatic glass may be made to secure results approaching northly exposed windows.

Artificial illumination has received closer scientific study than natural illumination. But even with respect to artificial illumination it may be safely stated that consistent effort has only been given to it during the past fifteen years. Prior to that time it was a sort of hit or miss, go-as-you-please experiment which was carried on. Even to-day only a few engineers, or so-called experts, appreciate the complex factors that enter into the problem.

To begin with, it must be remembered that except in special cases where mural effects or similar displays are desired, maximum light must be delivered at the working plane. This is usually thirty-two inches from the floor.

Recent engineering studies of office illumination reveal that illuminometer readings, taken at the working plane, do not give data, which if taken alone, will permit the engineer to decide as to the relative merits of illuminating systems. The physiological effect must always be taken into account, and the illuminometer readings used solely as a means for determining the relative distribution of flux between several systems, or the various efficiencies of different types of equipment of the same system.

Results Obtained.

These fundamentals become clearly evident when it is observed through actual experience that in some cases the seeing facilities afforded by one system may be greater than those afforded by a second system, although the amount of flux on the working plane may be less in the first than in the second system.

It has been found that the systems which give the eye the least fatigue are not always the best under general conditions with the various kinds of taste to be suited, for dealing with the human element forces us to cope with the acquired habits formed over a long period of time, which cannot be brushed aside in one moment and must be respected in a partial degree.

The system which may be considered the easiest on the eye is that which gives the least glare. The system which accomplishes this end the best, is known as the total indirect system, in which all of the source of light is completely concealed from the direct vision, and all of the light reflected from large matt surfaces, such as ceilings and walls. This system, however, has the disadvantage of being rather extravagant in comparison with other systems in the amount of current consumed for a sufficient quantity of flux obtained at the working plane for ordinary conditions. It further has the disadvantage of the almost total elimination of shadows caused by its extreme distribution. In office lighting this is particularly inconvenient, as it makes

it difficult to distinctly see sheets of paper lying one above the other. The edges of the sheets lack definition and are not clearly seen.

Lastly, it departs so widely from that to which we have been accustomed for years in the matter of distribution that we find it difficult to throw off the habit already mentioned and accustom ourselves to the weird effect due to the very even distribution of the total indirect system.

Direct Illumination.

The direct system of lighting, such as we have been accustomed to for years, is well known and one to which I may refer only as a step in the art of illumination. The object of direct illumination was primarily one of economy in current consumption, which economy was very essential in the early days of electric lighting, because of the high cost of the production of electricity and the large amount of current consumed by electric lamps for a required amount of light.

The natural outcome of these conditions was the development of small units and the arrangement of the small units made so as to give individual distribution. That is to say, to place a lamp under a shade at each place where a light is required. This method made it necessary to place the lamp immediately in front of, and slightly above the head of the user. The rays from these individual lamps fall directly upon the work in front of the user at an angle which reflects the light directly back from the working surface, resulting in an unnecessary eye strain. The eye being constructed in a manner to be able to protect itself against abnormal light, is provided with a device known as the iris. Under the condition named, the iris contracts so as to reduce the amount of reflected light which reaches the retina, in consequence of which the eye will not see as clearly the work it is intended to see, as it would if a lesser amount of light were used, but so placed that the angle of reflection would not reach the eye.

For the foregoing reasons it is desirable where individual lights are used, that they should be placed back of and above the left shoulder of the user, rather than in front of him. This practice, however, is not always practicable for obvious reasons.

From the principle of direct illumination we find the direct system expanded into semi-individual and from thence into general illumination, and in some instances a combination of individual and general illumination.

All of these various methods, which make use of many different types of shades or reflectors, show the struggle of the illuminating engineer in trying to create an ideal working condition. These efforts, as we now view them, have been futile and we find ourselves leaning between two extremes, that is, a system which lays between the direct and the indirect system. This is known as the indirect system. The advantages of the semi-indirect system may be outlined as follows:

Principal Advantages.

First—It gives to quite an important extent the general distribution afforded by the indirect system.

Second—It gives some advantages of the direct system by reason of a certain percentage, varying with the type of reflector and permitting of moderate shadows.

Third—When the system is well designed, the direct rays are distributed in a way to afford a minimum of intrinsic brilliancy at the point of illumination, thus permitting the eye to remain in its normal seeing condition by not causing the iris to contract and reducing the seeing ability.

Fourth—It permits of the use of large units, which makes the installation and lamp renewal costs low.

The efficiency of a semi-indirect system is greater than the direct, where seeing qualities are to be considered. Fixture manufacturers and illuminating engineers are beginning to recognize the great advantages of semi-indirect over other systems, and the general public is taking very kindly to it. Competition is extremely keen in the design of the fixtures, each manufacturer setting forth his best efforts to design a fixture showing advantages over his competitor.

There are many excellent semi-indirect fixtures on the market to-day, but great care must be used in the selection thereof, as frequently two fixtures which may appear identical with each other have widely different efficiencies, on account of the chemical difference in the make up of the glass.—(Paper read at a meeting of the New York Building Managers' Association by A. O. Wallis.)

THE IMPORTANCE OF PUBLICITY FOR THE ENGINEER.

Why should we engineers be interested in publicity? Is there good reasons for departing from the time-honored precept that our achievements are sufficient witnesses to their creator's ability?

The country is burdened with wastefulness where engineering skill might save vast sums. For instance, it is planned to spend a hundred million dollars on highways in New York State without adequate provision for maintenance. It is hardly possible that such a proposition would have been seriously entertained if the public had waited for the opinion of the engineering profession before making a decision. Again: Recently a proposition to spend fifty million dollars on good roads in Ohio was voted upon without any preliminary studies or surveys as to how the money was to be spent. Had the proposition been approved, the money would have been largely wasted under the direction of jockeying politicians.

There is a vast national field for furnishing engineering information to the public, which can be taken care of only by a permanent national information bureau conducted by engineers.

We have technical and research societies

without number—so many that the public can hardly be blamed for believing that we are interested in material things only. Perhaps we need a national bureau to conduct and cultivate business relations with the public, including inter-society relations, publicity, employment, and legislation.

All over the country there is a growing protest against the direction of municipal affairs by the lawyer and the politician. The administration of municipal business is largely a function of engineering. Why not enable the public to see this situation in its true light and thereby perform a public benefaction, as well as advance our own interests? Positions for engineers would increase in number, and compensation likewise.—C. E. Drayer, before the Engineering Section of the Chicago Association of Commerce.

UNIVERSITY LABORATORIES MAY ASSIST BUSINESS.

An effort to get the universities of the country to handle specific problems for the industries by experiments or otherwise, is being made by the Chamber of Commerce of the United States. At a recent meeting of the directors it was voted to refer the matter of co-operation between the universities and representative business establishments to the chamber's committee on education or to a special committee, and it was further ordered that the subject be taken up with the educational institutions for the purpose of ascertaining the extent to which these institutions may be interested.

At present large industries such as glass making, food, steel and drug manufacturing are connected by very slight threads with the great universities or with the government, except as the government exercises police supervision over the products of the business industries.

In addition to the plan for having the universities make particular investigations, it is suggested that the universities might be induced to organize a course of study, training the students along particular lines that would be of direct benefit to the industries. The understanding would be, in this case, that these manufacturers would be willing eventually to take the most desirable of these students into their plants for the working out of the future scientific development and the problems of manufacture.

The business man who grudges a commission to an advertising agent who thinks "he can do it himself" is usually about as intelligent as he would be if he grudged the commission of the architect and decided to build his store for himself.

He would save the commission of the architect, but ruin the store.

This is the age in which one man DOES ONE THING. You can run your BUSINESS. Find a man who can RUN YOUR ADVERTISING.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****JOHN STOKES COPE**, a landscape architect prominent in Philadelphia, Pa., died of heart disease at his home in Germantown, Pa., Friday, December 17. He was born in Germantown fifty-eight years ago.

****AARON E. ALDRICH**, vice-president of the Greater New York Brick Co., 103 Park avenue, is ill at his home near Fishkill, N. Y.

****PHILIP M. BEECHER**, vice-president of the Pierce, Butler & Pierce Manufacturing Corporation, Syracuse, N. Y., has resigned to accept the position of vice-president of the Richmond Radiator Co., and will be in charge of sales, with offices at the company's New York City office at 1480 Broadway. Mr. Beecher has been connected with the Pierce, Butler & Pierce Corporation for thirty-six years.

****NATIONAL BUILDERS' SUPPLY ASSOCIATION** will hold its annual convention at Cleveland, O., February 17-19, 1916. Headquarters at the Hotel Statler.

****NATIONAL CONFERENCE on Concrete Road Building** will be held at Chicago, Ill., February 15-18, 1916. J. P. Beck, 208 South La Salle street, Chicago, secretary of the Advisory Committee.

****AMERICAN ABRASIVE METALS CO.**, 50 Church street, New York, has elected Ralph S. Edmonson to succeed A. D. Morris as the vice-president of the firm. He will also act in the capacity of foundry superintendent.

****GEORGE N. STEINMETZ**, a retired contracting engineer, died of Bright's disease at his home, 465 West End avenue, New York, Sunday, December 19. He was born in Seagertown, Pa., fifty-five years ago, and was in the contracting business all his life. Mr. Steinmetz was the contractor for the building of the Galveston, Texas, sea-wall and for the Roosevelt Dam, in Arizona. He retired three years ago.

****ASSOCIATION OF THE ALUMNI** of the American Academy in Rome held its annual meeting and dinner at the Salmagundi Club, Monday evening, December 6, at which the following officers were elected for the ensuing year: Frank P. Fairbanks, president; Charles Keck, first vice-president; Lucien E. Smith, second vice-president, and F. Livingston Pell, secretary-treasurer. Members of the council elected included Lionel Moses, George W. Breck, Paul Manship and Herman A. MacNeil. Mr. Moses, as chairman of the committee on scholarships, told of the association's efforts to raise a \$25,000 endowment fund to found a McKim fellowship in architecture at the academy, in memory of

the late Charles F. McKim. The following trustees of the academy were guests at the dinner: Edwin H. Blashfield, Daniel C. French, William A. Boring, Herbert Adams, C. Grant La Farge, William M. Kendall, Edward K. Rand, Dr. John B. Pine, Charles D. Norton and Dean Andrew F. West. William Rutherford Mead, president of the academy, and Jesse Benedict Carter, the director, also were present.

****HENRY OLMSTEAD**, an architect, died of general debility, at his home, 319 Macon street, Brooklyn, Sunday, December 5. He was born in Philadelphia, Pa., seventy-two years ago, and for some time was the architect for the Lehigh Valley Railroad. During recent years he had been practicing his profession in Brooklyn and designed a number of apartment houses in the Stuyvesant section of that borough. He is survived by his widow, two sons and a daughter.

****SAFETY ARMORITE CONDUIT CO.**, Pittsburgh, Pa., has established a district office at 30 Church street, New York City, in charge of William G. Campbell.

****NATIONAL ASSOCIATION OF BUILDERS' EXCHANGES** will hold its annual convention at the Hotel Emerson, Baltimore, Md., February 22-24, 1916. Secretary, J. M. Vollmer, Louisville, Ky.

****NINTH ANNUAL CEMENT SHOW** of Chicago will be held in the Coliseum and the First Infantry Armory, February 12-19, 1916. Every effort is being made by the management to make the 1916 show thoroughly representative of the cement interests, both to the general public and to the users of cement products.

****JAMES MAPES DODGE**, president of the Link Belt Co., died of pleurisy and pneumonia at his home in Germantown, Pa., Sunday, December 5. He was sixty-three years of age. Mr. Dodge had recently returned from an extended trip through the West and caught cold several weeks ago while at the Panama-Pacific Exposition. He was vice-president of the Franklin Institute and was a member of the Union League, Corinthian Yacht and Germantown Cricket Club of Philadelphia, and of the Engineers' Club of New York. In 1903 Mr. Dodge was president of the American Society of Mechanical Engineers. He was widely known as a mechanical engineer and was foremost in the development of conveying machinery.

****AMERICAN SOCIETY OF CIVIL ENGINEERS** at its annual meeting, to be held January 19, 1916, will vote for the following

officers: For president, Dr. Elmer L. Corthell, consulting engineer, 149 Broadway, Manhattan; for vice-presidents, Palmer C. Ricketts, Troy, N. Y., and Alfred Craven, New York, and for treasurer, Lincoln Bush, New York. Six directors will be elected at the same meeting.

****CORNELL SOCIETY OF CIVIL ENGINEERS**, at its recent annual meeting, elected the following officers: John C. Wait, president; Joseph C. Hilton, vice-president; Charles E. Curtis, second vice-president; William M. Aitchison, recording secretary; and corresponding secretary and treasurer, Ernest T. Truran. The society now has an enrollment of 815 members.

****BUILDING MATERIAL MEN'S CLUB** of Newark, N. J., at its recent meeting elected the following officers: A. Fred Bailey, president; I. Newton Rudgers, vice-president, and W. F. Hopping, secretary and treasurer. This organization is planning to take an active part in the celebration now being arranged for to mark the 250th anniversary of the founding of the City of Newark, which will occur in 1916.

****ARCHITECTURAL LEAGUE OF NEW YORK** will hold its thirty-first annual exhibition in the Fine Arts Building, 215 West Fifty-seventh street, from Sunday, February 6, to Saturday, February 26, 1916, inclusive. The annual dinner of the league will be held Friday evening, February 4, at 7 o'clock. On Saturday, February 5, the league will hold a reception from 3 to 6 P. M. Public lectures will be given on Saturdays, February 12, 19 and 26.

HARDWARE OUTLOOK BRIGHT.

An optimistic outlook is expressed by T. James Fernley, secretary-treasurer of the National Hardware Association, who said:

"Basing my opinion on information which reaches me from houses in various lines of business, both manufacturing and distributing, throughout the country, I feel that the year upon which we are entering will be one of unusual prosperity.

"Business during the past three months has been so satisfactory that a year which looked disastrous from a standpoint of net returns for capital employed is closing with a degree of prosperity which, with many houses, will show dividend paying results.

"So much depends, however, on what may happen among the warring nations that conservatism should be observed and no commercial commitments made which will be embarrassing if the war should come to a sudden termination. Such a reaction would be but temporary, as the basic conditions in this country are so sound that under normal circumstances we are justified in looking for an extended period of prosperity."

Small ideas, small methods, small men are becoming antiquated. This is the day of the broad outlook and big doings.

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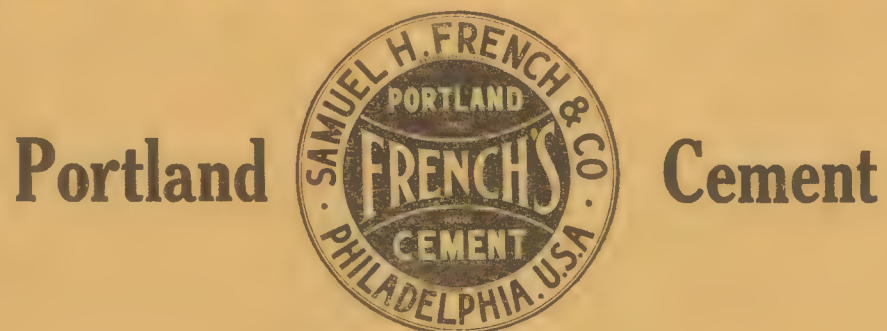
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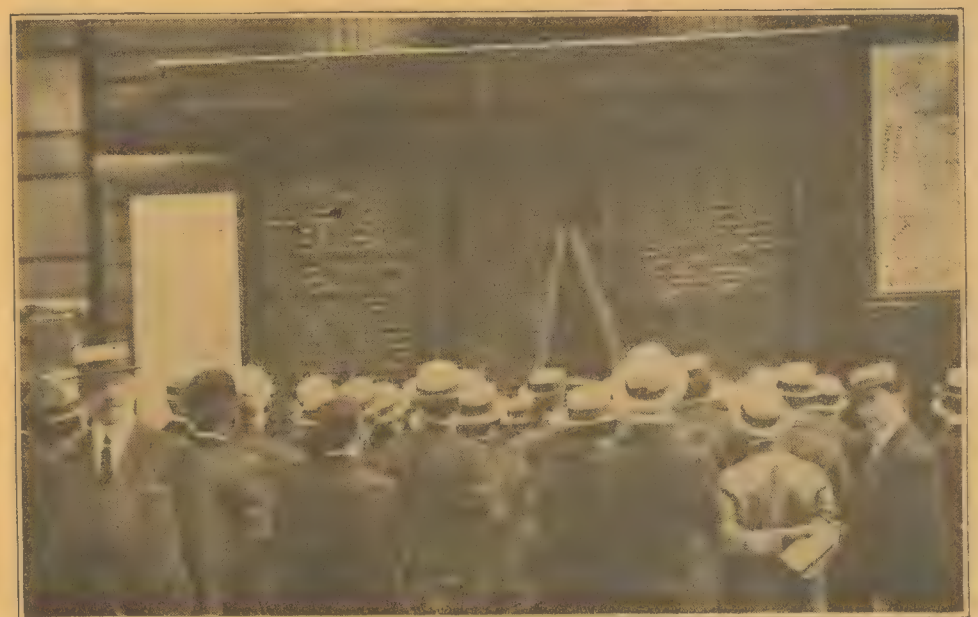
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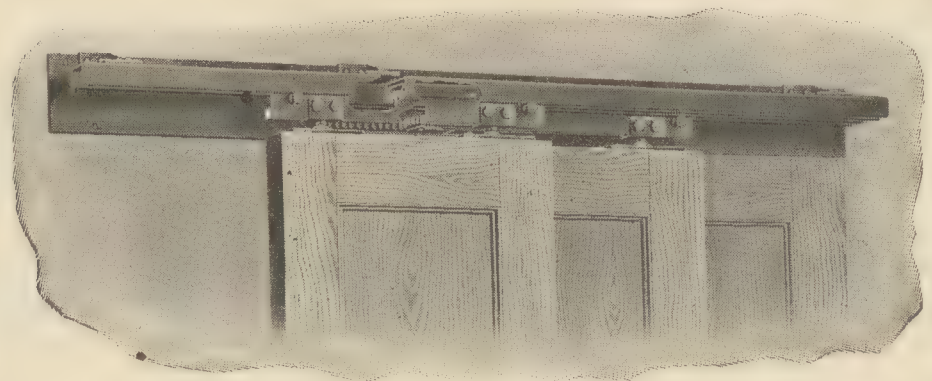
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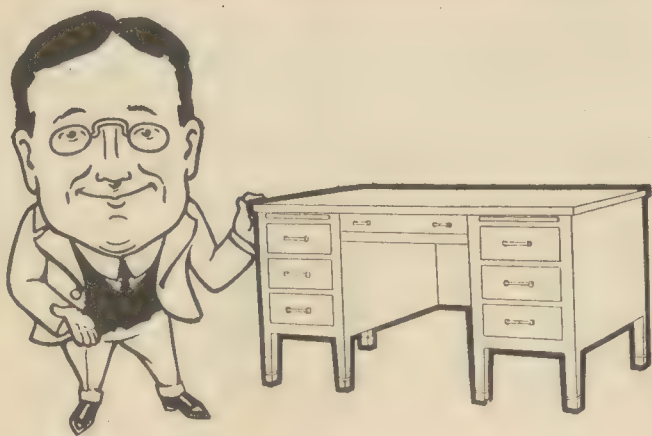
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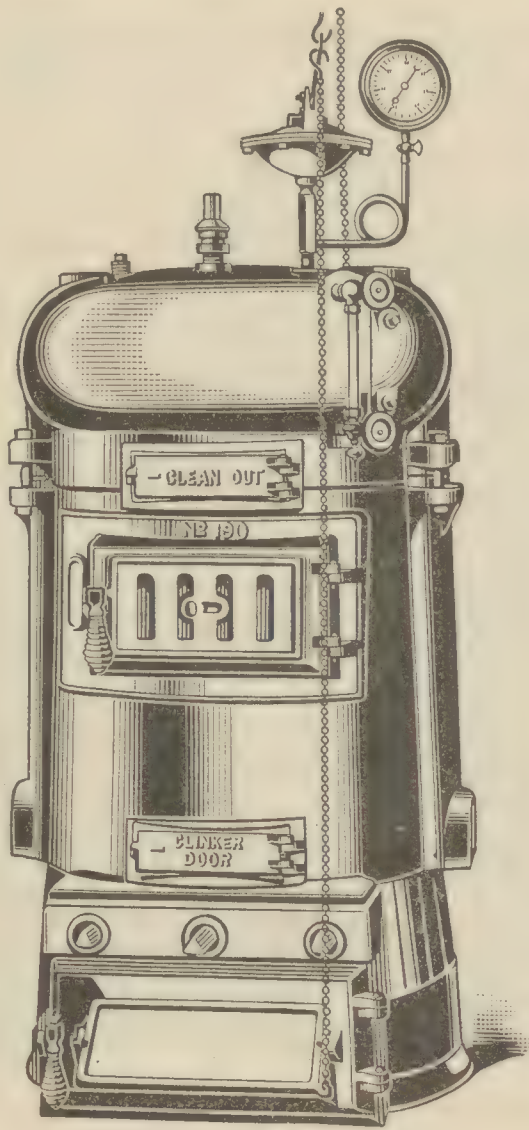
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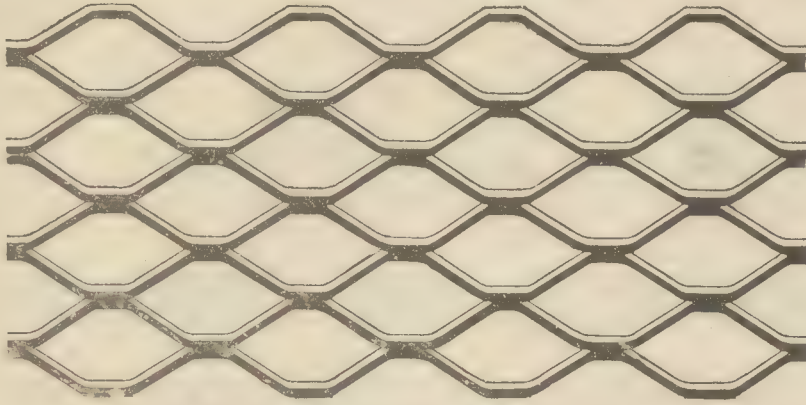
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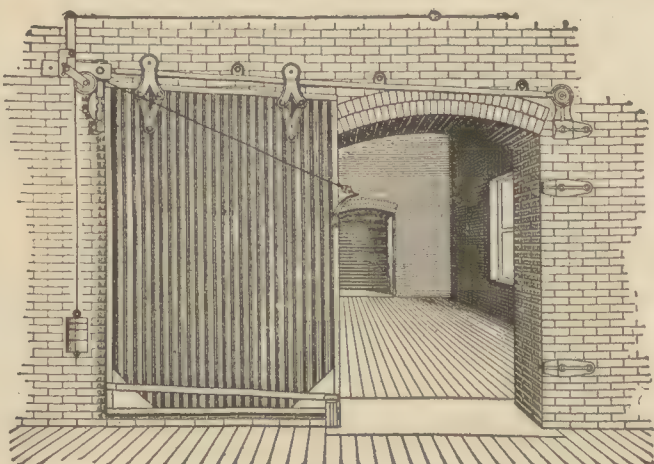
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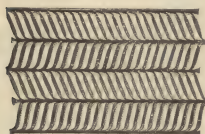
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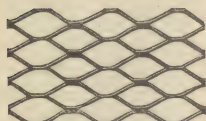
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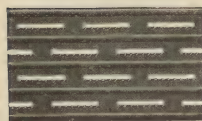
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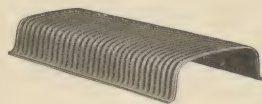
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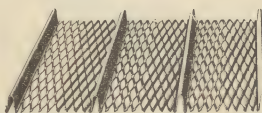
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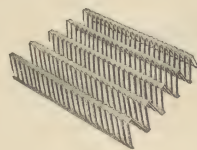
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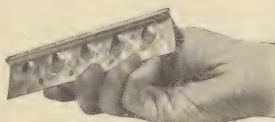
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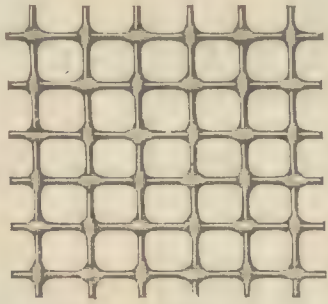
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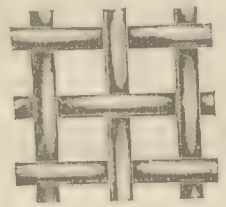
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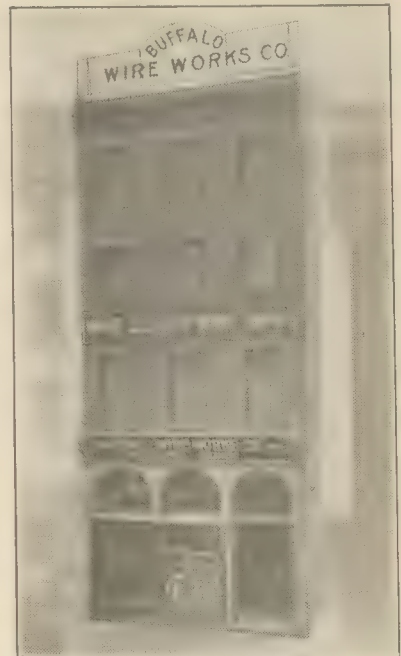
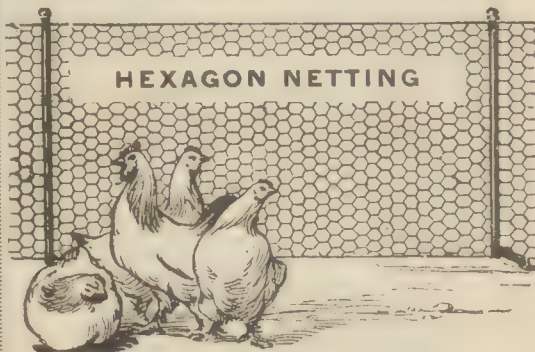
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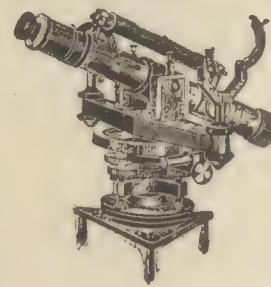
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Vol. XXXI., No. 3.

PHILADELPHIA, WEDNESDAY, JANUARY 19, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (16), Logan, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, Mr. I. Yaffe, 1202 N. Seventh street, Philadelphia. Brick and terra cotta, 2 stories, slag roof, hot water heating, electric lighting, hardwood floors, tile work and cabinet work. Architect will take sub-bids on all lines, due January 24th.

Store and Apartments (alts.), 713 Girard avenue, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, S. Goldberg, 505 Girard avenue. New store fronts, hardwood stairways, kitchen equipment and general interior alterations. Architect taking bids, due as soon as possible.

Theatre, eGermantown avenue and Venango street, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, J. Effinger, Forty-first and Lancaster avenue, Philadelphia. Brick, terra cotta, concrete and steel, fireproof, 1 story, 130x145 feet, slag roof, steam heating electric lighting tile and marble work, metal lath, dampproofing. Architects have received revised bids.

Apartment oHuse, Juniper and Latimer streets, Philadelphia, \$150,000. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, name withheld. Brick and steel, fireproofing, 12 stories, 36x70 feet, slag roof, hollow tile, fireproofing, tile and marble work (heating, plumbing, electric work and elevators reserved by architects). Builder Thomas M. Soeds, Jr., 1207 Race street, taking sub-bids, due January 18th.

Flat House, southwest corner Forty-sixth and Walnut streets, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owners, name withheld. Tapestry bricks and terra cotta, 4 stories, 105x95 feet, slag roof, steam heating, electric lighting, fire escapes, metal lath, parquet floors, tile, terrazzo and marble work, clothes dryers, electric elevator. Architect taking sub-bids, due as soon as possible.

Residences (46), Twenty-sixth and Morris streets, Philadelphia. Architect, private plans. Owner, Timothy F. Gallagher, Fifty-fifth and Springfield avenue, Philadelphia. Brick, 2 stories, 15x50 feet, slag roof, hot water heating. Plans in progress.

Department Store, 833-35 Market street, \$100,000. Architects, The Hoffman Co., Finance Building. Owners, Blauners, Inc., 833 Market street, Philadelphia. Brick, marble, terra cotta and steel, 4 stories, 42x200 feet, asphalt roof, vapor vacuum heating, electric lighting, maple floors, tile, marble and mosaic lath, waterproofing. Revised plans about completed. Architects will take new bids in a few days.

Residence, Somerton, Philadelphia. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, C. Worthington, Somerton, Philadelphia. Frame and stucco, 2½ stories, 30x30 feet, shingle roof, hot water heating, electric lighting. Architect taking bids, due January 17th. The following are figuring: John M. Fabian, Langhorne, Pa.; Murphy & Co., 261 South Tenth street, and Eugene Tourison, 1001 Chestnut street, Philadelphia.

Twin Residences (6), Wistar and Thorpe lane, \$4,800 each. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, J. Shenkman, Locust avenue and Crowson street, Germantown. Brick and stone, 2 stories, 16x48 feet, slag roof, hot water heating, hardwood floors, tile work. Owner is taking sub-bids on all lines.

Residences (50) and Stores (3), Fourth and Fifth streets and Fishers avenue. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Blank & Morrison, care architect. Brick and stone, 2 stories, 15x46 feet and 16x54 feet, slag roof, electric and gas lighting, hot water heating, tile work. Plans in progress. Owner will take sub-bids in about two weeks.

Residences (20), American and Duncannon avenue. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, J. Shenkman, Locust avenue and Crowson street, Germantown. Brick and stone, 2 stories, 14x40 feet, slag roofs, tile work, hot water heating, electric lighting, hardwood floors. Owners are ready for sub-bids on all lines.

Apartment House, Hortter and Jefferson streets, Philadelphia. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Max Lichtenstein, 1200 Chestnut st.,

Philadelphia. Brick, stone trimmings, 4 stories, 128x160 feet, slag roof, steam heating, electric lighting, oak floors, tile and marble work, electric elevator, dampproofing. Owner has received bids.

Residence, Allen lane and McCallum street. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Robert M. Hogue, 100 Pelham road. Stone, 2½ stories, 40x90 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architects will soon take bids.

Power House, Byberry, Philadelphia, \$60,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Department of Health and Charities, City Hall. Brick, concrete and steel, 1 story, concrete floors (electric lighting, heating and plumbing separate bids). Plans completed. Owners will advertise for bids in a few days.

Residences (10), Erringer Place, Germantown. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner, Geo. M. Randle, 1326 Stephen Girard Building, Philadelphia. Brick and stone, 2½ stories, slate roofs, hot water heating, electric lighting, hardwood floors, tile work. Plans completed. Owner will be ready for sub-bids in a few days.

Hospital (alt. and add.), Forty-first and Parrish streets, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, West Philadelphia Hospital for Women, on premises. Brick, steel and concrete, 3 stories, slag roof, concrete floors, steam heating, electric lighting, tile work. Plans about completed. Architect will take bids in a few days.

Residences (10), Sixtieth and Wharton sts., Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, M. Alma Layton, Land Title Building, Philadelphia. Brick, 2 stories, slag, tile and slate roofs, electric lighting, hot water heating, hardwood floors, tile work. Owner is taking sub-bids.

Residences (27), Tenth and Loudon streets, Philadelphia. Architect, E. Allen Wilson, 1208

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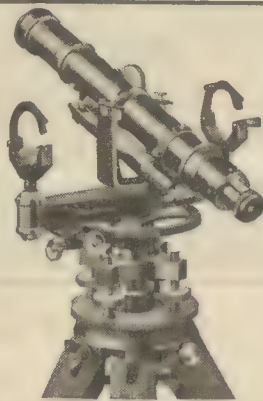
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Chestnut street, Philadelphia. Owner, J. Henry Parker, 535 Loudon street, Philadelphia. Brick, 2 stories, 16x45 feet each, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

Residences (38), Sixty-fifth and Norwood streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles A. Mahon, 907 Northeast Boulevard. Brick, 2 stories, 16x40 feet, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

Dairy Building, 1211 and 1213 North Fourth street, Philadelphia. Architect, C. Henry Wilson, 1130 Lombard street, Philadelphia. Owners, Jones Dairy Co., on premises. Brick, re-

inforced concrete floors, 2 and 3 stories, 27x166 feet, slag roof, steam heating, electric lighting, artesian well. Plans completed. Owners are ready for bids.

Residence (alts.), 146 West Walnut lane. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, A. Firth, care of architects. Stone, 2 1/2 stories. Consists of general interior alterations, electric lighting. Plans about completed. Architects will take bids in a few days.

Department Store (alts.), northeast corner Eleventh and Market streets. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Frank & Seder, on premises. Consists of new elevator shaft, 4 stories. Architect has received bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Ice Manufacturing Plant (alt. and add.), 2331 Bodine street, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Consolidated Ice Mfg. Co., on premises. Brick, concrete and steel, 2 stories, 58x110 feet, slag roof, concrete floors, metal sash. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street.

Residence and Garage, Lincoln Drive, Philadelphia. Architect, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Samuel T. Hendrickson, 5102 Newhall street, Philadelphia. Stone, 2 1/2 stories, 30x52 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Geo. Kessler Contracting Co., Drexel Building, Philadelphia.

Residence, Lincoln Drive, Philadelphia, \$15,000. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, Samuel Knockson, care architect. Brick, 2 1/2 stories, 55x32 feet, slate roof, hot water heating, hardwood floors, tile work, electric lighting. Contract awarded to I. T. Shoemaker, 1309 Walnut street, Philadelphia.

Residence and Garage, St. Martins, Philadelphia, \$35,000. Architect, Lindley Johnson, Harrison Building, Philadelphia. Owner, J. Percy Keating, Commercial Trust Building, Philadelphia. Stone, 2 1/2 stories, 35x90 feet, shingle roof, oak floors, tile work (heating, plumbing and electric work reserved). Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

PENNSYLVANIA Construction News

High School, Carbondale, Pa., Carbondale Heights, Pa., \$150,000. Architect, Owen McGlynn, Simon-Long Building, Wilkes-Barre, Pa. Owners, Board of Education, Carbondale, Pa. Brick, 3 stories, slate and composition roof, steam heating, electric lighting,

metal lath. Plans in progress. Note change in architect.

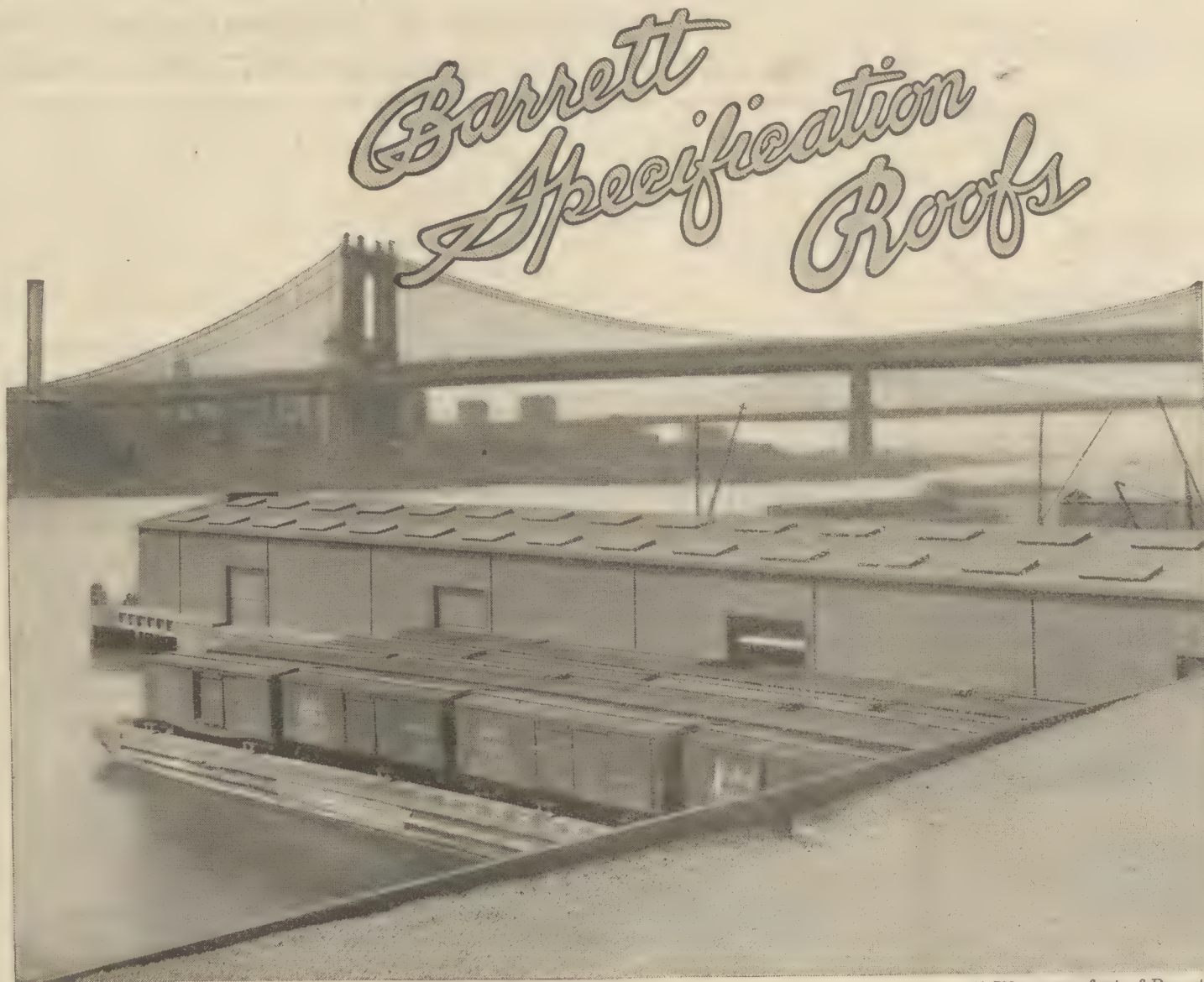
Hotel (alt.), Towanda, Pa. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Morgan S. Kaufman, Towanda, Pa. Marble, tile work; interior alterations, metal

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ceilings, metal lath, electric lighting. Architect taking bids, due February 1st.

Apartment and Stores (2), Green Ridge, Pa. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Salmon Realty Co., Green Ridge, Pa. Frame and stucco, 4 stories, 48x80 feet, slag roof, steam heating, electric lighting, tile and hardwood floors, metal lath, waterproofing and dampproofing, dumb-waiters, ventilators, copper store fronts. Architect is ready for bids.

Garage, Olyphant, Pa., \$25,000. Architect, F. J. Miller, Peoples Bank Building, Scranton, Pa. Owner, name withheld. Brick and reinforced concrete, 3 stories, 44x70 feet, slag roof (steam heating reserved), electric lighting, reinforced concrete floors, waterproofing and dampproofing. Plans in progress.

Apartment House, Wilkes-Barre, Pa., \$28,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre. Owner, Felix Constine, Wilkes-Barre, Pa. Brick, stone, terra cotta and steel, 4 stories, 45x98 feet, slag roof, steam heating, electric lighting, composition and hardwood floors, metal lath, safety treads, ornamental iron. Plans about completed. Architect will take bids in a few days.

School Building, Marcus Hook, Pa. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slag roof, slate blackboards, metal lath (heating, plumbing and electric work separate bids). Owners taking revised bids, due January 31st, at 5 P. M. Plans may be obtained from architect upon deposit of \$25.00. James P. Farrell & Co., Inc., 1619 Sansom street, Philadelphia, are figuring.

Hall, Stores, Theatre, East Greenville, Pa., \$30,000. Architect, G. C. Freeman, 1111 North Eleventh street, Reading, Pa. Owners, East Greenville Realty Co., East Greenville, Pa. Brick, 3 stories, 60x125 feet, slag roof, steam heating, electric lighting, composition flooring, metal ceilings, fire escapes, metal sash. Owners have received bids.

Ice Cream Factory (alt. and add.), Wilkes-Barre, Pa., \$25,000. Architects, Koelle, Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Smith & Clark Co., Wilkes-Barre, Pa. Brick, concrete and steel, 3 stories, slag roof, elevator, water proofing, reinforced floors. Architects have received bids.

Picture Theatre, West Pittston, Pa., \$14,000. Architect, T. H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre. Owner, Moris N. Rice, Miners Bank Building, Wilkes-Barre. Brick, 1 story, slag roof, steam heating, electric lighting. Plans in progress.

Residences (10), Kingston, Pa., \$40,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre. Owner, name withheld. Brick, 2½ and 3 stories, 24x36 feet, shingle roof, steam heating, electric lighting, tile or composition and hardwood floors. Plans in progress. Architect will be ready for bids in two weeks.

Garage, South Main street, Wilkes-Barre, Pa., \$5,000. Architect, Edward N. Finch, Wilkes-Barre, Pa. Owners, Lewis Cohen & Son, Wilkes-Barre, Pa. Brick, 1 story, 45x75 feet, boiler room, 16x18 feet, slag roof, steam heating, electric lighting, concrete floors. Plans in progress. Architect will take bids in a week.

Residence, Hazleton, Pa., \$40,000. Architect, T. H. Atherton, Coal Exchange Building, Wilkes-Barre. Owner, David Benjamin, Hazleton, Pa. Brick and stucco, 3 stories, 99x49 feet, slate roof, steam heating, electric lighting, hardwood and tile floors. Plans completed. Architect will take bids in ten days.

Apartment and Stores, Hazleton, Pa., \$35,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Felix Constine, Wilkes-Barre, Pa. Brick, stone, terra cotta and steel, 4 stories, 45x98 feet, slag roof, steam heating, electric lighting, composition and hardwood floors, metal lath, safety treads, ornamental iron. Plans about completed. Architect will take bids in a few days.

Residences (3), Wilkes-Barre, Pa., \$7,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Frame, 2 stories, 46x48 feet, slag roof, steam heating, combination lighting. Plans in progress.

Store and Apartment (alt.), North Main street, Wilkes-Barre, Pa., \$5,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Consists of interior alterations, fireproof stairs. Plans in progress.

Bank Building, Williamsport, Pa. Architects, Mowbray & Uffinger, 56 Liberty street, New York City. Owners, West Branch National Bank, Williamsport, Pa. Granite and terra cotta, 1½ stories, 93x52 feet, composition roof, steam heating, electric lighting, marble work, hollow tile and concrete fireproofing, metal sash, metal lath, waterproofing. Architects taking bids, due January 25th. Henry L. Brown, 1714 Sansom street, Philadelphia, and Cramp & Co., Denckla Building, are figuring.

Residence, Lansdowne, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, L. L. Gerstenberger, Lansdowne, Pa. Hollow tile and plaster, 2½ stories, 49x40 feet, variegated slate roof, tile work, oak floors (plumbing, heating, electric work and weather strips reserved). Architects taking bids, due January 20th. The following are figuring: Specht & Sperry, Heed Building; E. J. Kreitzburg, 1345 Arch street; Eugene Tourison, 1001 Chestnut street, Philadelphia; Lansdowne Construction Co., J. K. Ingram and Wm. C. Shuster, Jr., all of Lansdowne, Pa.; W. Harry Roberts, Ardmore, Pa.; H. L. Walton, Moylan, Pa.

Bridge, White Bear Creek, near Reading, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Co., Reading Terminal. Concrete

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and steel, 18x120 feet, reinforcing rods. Owners taking bids, due January 17th. A. L. Carhart, Hale Building, Philadelphia, is figuring.

High School, Mahanoy City, Pa., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Mahanoy City, Pa. Frame, 2 stories, 120x100 feet, asbestos, tile or slag roof, steel sash, enameled bricks, tile and marble work, metal lath, kalamein dors, safety treads, maple and composition floors, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due January 31st, at 8 P. M. James P. Farrell & Co., 1619 Sansom street, Philadelphia, and Harrison Hall & Son, Mahanoy City, Pa., are figuring. Plans may be obtained from architect upon deposit of \$25.00.

Residence and Garage, Merion, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Christopher T. Wetherill, 6355 Sherwood road, Philadelphia. Stone, 2½ stories, 57x42 feet, shingle roof, hot water heating, electric lighting, tile work, oak floors. Builder E. J. Hedden, Finance Building, Philadelphia, taking sub-bids, due as soon as possible.

Residence, Ithan, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Nadine C. Prew, Wayne, Pa. Frame and stucco, 2½ stories, 27x52 feet, shingle roof, vapor heating, electric lighting, tile work. Architects taking bids, due January 19th. J. D. Lengel, Wayne, Pa., and Eugene Tourison, 1001 Chestnut street, Philadelphia, are figuring.

Auto Body Factory, Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, The Autocar Co., Ardmore, Pa. Brick and steel, 3 stories, 275x300 feet, consists of main building, boiler house and blacksmith shop, slag roof, reinforcing bars, steel sash, fire doors, dampproofing (plumbing, heating, electric work, elevators and power equipment reserved). Plans about completed. Architects will take bids in one week.

Mill Building, Darby, Pa. Engineers, Willard Case & Co., 17 Battery Place, New York City. Owners, Griswold Worsted Co., Darby, Pa. Brick, steel and concrete, 3 stories, slag roof, steam heating, electric lighting. Plans completed. Engineers ready for bids.

Residence and Garage, Haverford, Pa., \$20,000. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, Earle Mendenhall, 1338 Chestnut street, Philadelphia. Stone, timber and rough cast, 2½ stories, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Cottage and Garage, Pocono Manor, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, George Vaux, Jr., Morris Building, Philadelphia. Frame residence, 2½ stories, 33x100 feet; garage, frame, 2 stories, 25x27 feet, shingle roof. Plans about completed. Architects will soon take bids.

Residences (2), Haverford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owners, Haverford College, Haverford, Pa. Stone and frame, 2½ stories, 25x40 feet each, shingle roof, hot water heating, electric lighting, tile work. Plans about completed. Architects will take bids in ten days.

Hotel, Eddystone, Pa., \$150,000. Architects, Henon & Boyle, 10 South Eighteenth street,

Philadelphia. Owners, Remington Hotel Co., care of architects. Brick, steel, steam heating, electric lighting, tile work, concrete fireproofing. Architects taking bids, due January 25th. Freund-Siedenbach Co., Bulletin Building; Stacy Reeves & Sons, 2011 Market street; Smiht-Hardican Co., 1606 Cherry street; Geo. Hogg, 1634 Sansom street, Philadelphia, and John E. Healy, Wilmington, Del., are figuring.

Store and Apartments, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Chester Realty and Construction Co., Chester, Pa. Brick, 3 stories, slag roof, steam heating, electric lighting. Plans in progress. Owners will take sub-bids.

Workshop, Harrisburg, Pa. Architect, J. A. Demperolf, York, Pa. Owners, Pennsylvania State Lunatic Hospital, Dr. H. L. Orth, superintendent, Harrisburg, Pa. Brick, stone and steel, 2 stories. Owners taking bids, due March 7th at noon. Plans may be obtained from architect on deposit of \$10.00.

High School, Slatington, Pa., \$65,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, P. N. Snyder, secretary, Slatington, Pa. Brick and stone, 2 stories, 90x130 feet, slate roof, warm air mechanical system of heating, electric lighting. Plans in progress. Owners will advertise for bids in about three weeks.

Church, Womelsdorf, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Zion's Evangelical Lutheran Church, Womelsdorf, Pa. Stone, 1 story, 43x130 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in two weeks.

Ward Buildings (2), South Mountain, Wernersville, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Asylum for Chronic Insane care of Dr. S. S. Hill, South Mountain, Wernersville, Pa. Brick and reinforced concrete, 2½ stories, 60x400 feet, slate roof, steam heating, electric lighting, composition flooring. Plans in progress.

High School, Lititz, Pa., \$80,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners Board of Education, Lititz, Pa. Brick, steel and concrete, fireproof, 3 stories. Plans about to be started. Details not yet decided.

Residence, Birdsboro, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Y. F. Handwark, Birdsboro, Pa. Brick, stone trimmings, 2½ stories, 26x40 feet, slate roof, hot water heating, gas and electric lighting. Owner taking bids.

Mission Building, Reading, Pa., \$20,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owners, Hope Rescue Mission, Reading, Pa. Brick, 4 stories, 60x90 feet, slag roof steam heating, electric lighting. Revised plans in progress. Architect will take bids March 1st.

Church, Harrisburg, Pa., \$60,000. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Laurence's R. C. Church, Bishop J. J. Shanahan, Harrisburg, Pa. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

The man who is "going to do some advertising next year—maybe" gets his advertising in the end in the shape of an obituary.



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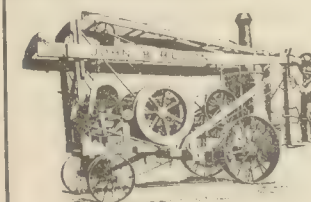
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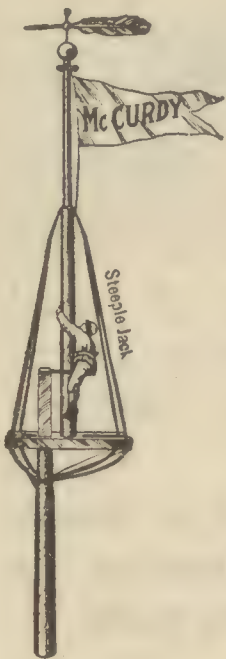
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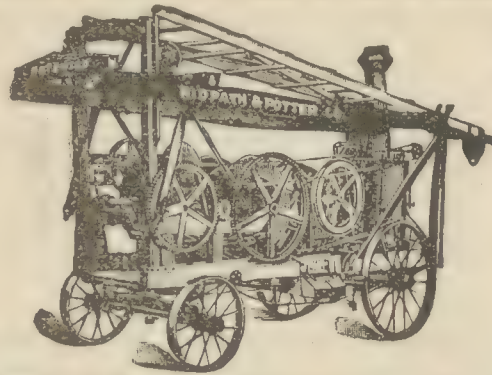
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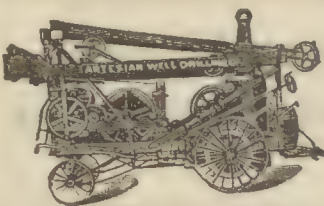
Contracts Awarded

Swimming Pool, Dalton, Pa., \$14,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owner, M. B. Fuller, Connell Building, Scranton, Pa. Brick, 1 story, 38x110 feet, slate roof, steam heating, electric lighting (tile floors reserved), dampproofing, skylights. Contract awarded to Peter Stipp, 327 North Washington avenue, Scranton, Pa.

Residence, Haverford, Pa., \$30,000. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, J. Heron Crozman, Jr., 1230 Arch street, Philadelphia. Hollow tile and plaster, 2½ stories, 34x112 feet, slate

roof, tile work, oak floors (hot air heating, plumbing and electric work reserved). Contract awarded to James H. Wells, Heed Building, Philadelphia.

Residence, Hazleton, Pa., \$10,000. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, James Lee Pardee, Hazleton, Pa. Hollow tile and plaster, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.



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NEW JERSEY

Construction News

Armory (alts.), Camden, N. J., \$3,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, State of New Jersey, Third Regiment Armory, Camden, N. J. Consists of new stairs, partitions, etc. Owners ready for bids.

Garage, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, Roger Hurley, Trenton, N. J. Brick, 2 stories, 41x118 feet, slag roof, steam heating, electric lighting, concrete floors. Architects have received bids.

Church and Sunday School, Bridgeton, N. J., \$30,000. Architect, Geo. E. Savage, Witherpoon Building, Philadelphia. Owners, Wesley Memorial M. E. Church, Rev. Geo. W. Abel, Bridgeton, N. J. Stone, 1 and 2 stories, slate roof, steam heating, electric lighting. Architect ready for bids.

Cottage, Stone Harbor, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, name withheld. Frame, 2 stories, 32x35 feet, shingle roof, electric lighting. Architects have received bids.

Factory Building, Camden, N. J. Architect, Layton F. Smith, 513 North Charles street, Baltimore, Md. Owners, Farr & Bailey Mfg. Co., Camden, N. J. Reinforced concrete, 5 stories, 88x92 feet, slag roof, fire escapes, steel sash, reinforcing rods (fire doors, heating, plumbing, electric work, elevator and

sprinkler system reserved by owners). Architect taking bids. Cramp & Co., Denekla Building; Turner Concrete Steel Co., 1713 Sansom street; Barclay White & Co., Perry Building; Warren, Moore & Co., Commercial Trust Building, Philadelphia, are figuring.

Residences (10), Camden, N. J. Architect, C. Henry Wilson, 1130 Lombard street, Philadelphia. Owner, C. W. Moore, 822 Kaighn avenue, Camden, N. J. Tapestry bricks and stone, 2 stories, 16x54 feet each, slag roofs, hot water heating. Plans in progress. Owner will take sub-bids.

Business Building, 532-34 Federal street, Camden, N. J., \$12,000. Architects, Moffett & Stewart, 30 North Third street, Camden. Owners, Blakley Bros., Camden, N. J. Brick and stone, 3 stories, 35x95 feet, slag roof, steam heating, electric lighting metal lath. Architects taking bids, due January 25th. The following are figuring: Warren-Moore Co., Commercial Trust Building, Philadelphia; W. Beaumont, Stephen Girard Building, Philadelphia; Frank Turner, 828 Broadway, Camden, N. J.; George Bachmann, 19 North Thirtieth street, Camden, N. J.

We know lots of men who have made money without the aid of advertising, but—they haven't made it since 1876.

R. O. SCHEEL, PRESIDENT

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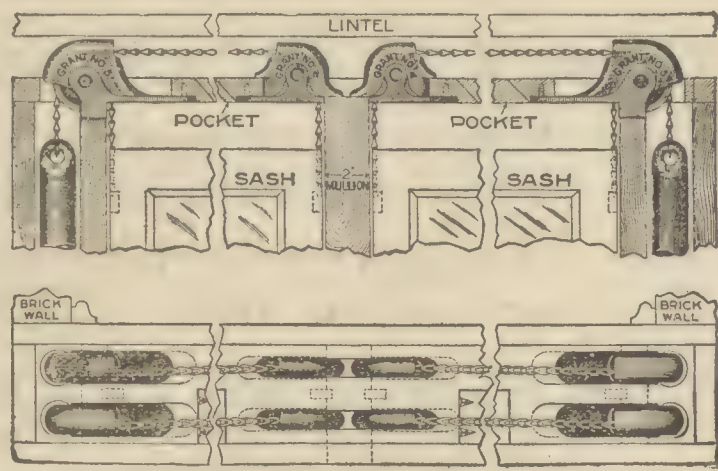
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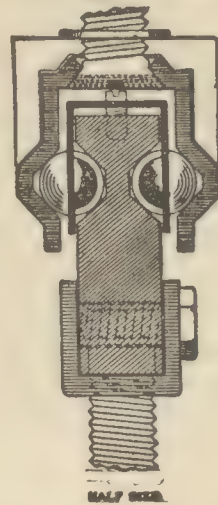
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The Overhead Pulley obviates the use of lead weights, as it gives more pocket room. These pulleys can be used in single, mullion, triplet and quadruple windows.

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NEW JERSEY Contracts Awarded

Store and Apartment, Roebling, N. J., \$10,000. Architect, Robert A. Shuman, 341 Tyler avenue, Trenton, N. J. Owners, Stern Bros., Roebling, N. J. Brick, 3 stories, 25x110 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing. Contract awarded to Alex. P. Briht, Bridgeboro, N. J.

Factory Building, Trenton, N. J., \$8,000. Architect, private plans. Owners, Joseph Stokes Rubber Co., Trenton, N. J. Brick and steel, 2 stories, 75x90 feet, slag roof, steam heating, electric lighting. Contract awarded to New ton A. K. Bugbee & Co., 206 E. Hanover street, Trenton, N. J.

Miscellaneous Construction News

Residence (alt. and add.), Holly Oak, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, John S. Mullin, Holly Oak, Del. Store and shingle, 2½ stories, shingle roof, vapor heating extension, electric lighting, tile work, hardwood floors. Plans in progress.

Residence (alt. and add.), Greenville, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, Mrs. Alexander I. du Pont, Greenville, Del. Consists of addition of large circular, glass sun parlor and alterations. Plans in progress.

MARYLAND Construction News

Office Building (alts.) to Apartment House, Roland avenue, north of car barn, Roland Park, Md., \$15,000. Architects, E. L. Palmer, 408 Roland avenue Roland Park, Md. Owners, Roland Park Co. Roland Park, Md. Will consist of general alterations and contain 6 apartments. Plans in progress. Owners will sub-let all contracts.

Residences (9), Hillsdale avenue, west of Reistertown road, Baltimore, Md., \$25,000. Architect, Stanislaus Russell 2900 Clifton avenue, Baltimore. Owner, John J. Carlin, 215 St. Paul street, Baltimore, Md. Brick, 2 stories, 22x37 feet, slag roof, parquet floors. Owner will take sub-bids on all lines.

Dwellings (10) Kate avenue, between Park

Heights avenue and Pinlico road, \$14,000. Architect, H. K. Smart, Berkley avenue, near Ridgely avenue, Baltimore. Owner, J. Chas. Kemper, Pimlico road, near Ridgely avenue, Baltimore. Owner will sub-let all contracts.

Residences (200), Veneble Park Section or Thirty-third street boulevard and Elleslie avenue. Architect, private plans. Owners, F. J. Gallagher Realty Co., 919-20 Munsey Building, Baltimore. Brick, 2½ stories, 22x40 feet. Owners will take sub-bids on all lines for 30 dwellings to be built at once, at cost of about \$3,200 each.

Cottage, North road, west of Poplar Grove street, Baltimore. Architect, George R. Morris, Gunther Building, Baltimore, Md. Own-

Our organization makes a business of SATISFYING its customers, not partially, but wholly, in quality, promptness and fair treatment.

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Mill Work
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O. M. WEBER CO., Inc.

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The Broomell System of Vapor Heating

The original and only real VAPOR SYSTEM. Installed in over ten thousand buildings of every kind and size. It will pay you to investigate.

VAPOR HEATING CO., HARTMAN BLDG. YORK : PA.

ers, Northwestern Real Estate Co., on premises. Concrete foundations, frame, 1½ stories, steam heating, electric lighting. Owners will take sub-bids on all lines.

Residences (6), Walbrook avenue and Rose-dale street, Baltimore, Md., \$12,500. Architect, F. E. Beall, 306 St. Paul street, Baltimore, Md. Owner, George S. Wicks, Baltimore, Md. Brick (5) 2 stories and (1) 3 stories, 16x50 feet and 16x55 feet, slag roofs. Owner will take sub-bids on all lines.

Cold Storage Building (alt. and add.), 2123 East Pratt street, Baltimore. Architect, Nicholas Van R. Greene, Engr., New York City. Owners, Baltimore Cold Storage Co., care of James C. Leib, president, Baltimore,

Md. Consists of addition, brick and concrete, 6 stories, and installation of cold storage apparatus. Owners taking bids. The following are figuring: B. F. Bennett Building Co., 123 South Howard street; Singer-Pentz Const. Co., 600 Equitable Building; Richardson & Williams, 847 Equitable Building; Morrow Bros., Fidelity Building, all of Baltimore.

Theatre (fire repairs), 509-11-13 South Broadway, Baltimore. Architect, Benjamin Frank, 328 North Charles street, Baltimore, Md. Owners, Broadway Theatre Co., on premises. Consists of general re repairs and alterations on first floor for two stores, brown stone front, 2 stories. Plans in progress.

Arch streets.

A. Fink (O), Seventeenth and Catherine streets. T. Cunningham (C), 2016 Alter st. Cost, \$300. Storehouse, Seventeenth and Catherine streets.

Fidelity Trust Co. (O), 325 Chestnut street. E. F. O'Keefe & Son (C), 1321 Rodman st. Cost, \$4,000. Factory, Twentieth and Clearfield streets.

Central Market Street Co. (O), 913 Market street. Henry C. Dahl (C), 231 South Eighth street. Cost, \$500. Theatre, 913 Market street.

Roberts Mander Co. (O), Eleventh and Washington avenue. H. C. Dahl (C), 231 South Eighth street. Cost, \$1,700. Factory, Eleventh and Washington avenue.

T. Sheble & Co. (O), Clearfield avenue and Thompson street. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$1,400. Storage, Mercer and Clearfield streets.

Fannie Sanders (O), 2105 North Franklin street. Max Kane (C), 871 North Sixth street. Cost, \$1,100. Store, 703 Poplar street.

L. Martin Co. (O), Milnor and Cottman streets. William Ratcliff (C), 1521 Arrott street. Cost, \$3,300. Barrell shed, Milnor and Cottman streets.

Republic Fire Co. (O), 806 North Broad street. S. H. Robison Co. (C), 814 Walnut street. Cost, \$350. Sign, 806 North Broad street.

Pennsylvania Railroad Co. (O), Broad Street Station. Cost, \$350. Storehouse, North Philadelphia station.

C. P. Beck (O), 609 Chestnut street. Frank G. English (C), 1608 North Carlisle street. Cost, \$4,000. Factory, 52-54 North Sixth street.

S. C. Nichols (O), 137 South Texas avenue, Atlantic City. George A. Boyd (C), 211 East Willow Grove avenue. Cost, \$7,000. Garage, 4745-47 North Broad street.

Millard F. Miltong Iron Works Co. (O), Fifty-second and Gray's avenue. Cost, \$800. Storage, Fifty-second and Gray's avenue.

Philadelphia Paper Manufacturing Co. (O), Manayunk, Philadelphia. Cost, \$800. Paper mill, Nixon and Fountain streets.

G. M. Kern (O), Fairmount avenue and Union street. James F. Jester (C), 4015 Fairmount avenue. Cost, \$400. Dwelling, Fairmount avenue and Union street.

Charles White & Sons (O), Eighteenth and Indiana avenue. Fred A. Havens (C), 845 North Nineteenth street. Cost, \$800. Garage, Eighteenth and Indiana avenue.

A. Poland (O), 4359 Main street. C. M. Swartley (C), 6835 Ridge avenue. Cost, \$700. Store and dwelling, 4359 Main street.

S. Goldberg (O), 503 Girard avenue. B. Savar (C), 718 Snyder avenue. Cost, \$1,000. Store and dwelling, 713 Girard avenue.

Roland S. Morris (O), Land Title Building. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$500. Dwelling, 329 South Smedley street.

Simon & Bassett (O), 1112 Chestnut street. George Kessler Const. Co. (C), Drexel Building. Cost, \$600. Garage, Sedgwick street and Lincoln Drive.

U. G. I. (O), Broad and Arch streets. Cost, \$4,000. Manufacturing building, Passyunk avenue and Schuylkill avenue.

Henry Disston & Sons Co., Inc. (O), Tacony, Philadelphia. F. W. Van Loon (C), Denckla Building. Cost, \$10,000. Storage, Delaware avenue and Disston Co.

Samuel L. De Frehor (O), 2036 Frankford avenue. Frank Achuff (C), 1600 North Front street. Cost, \$500. Storage, 2039 Blair street.

H. K. Fort & Co. (O), 2223 American street. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$600. Storage, 2223 American street.

Drexel Institute (O), Thirty-second and Chestnut streets. Roger Atkinson (C), 406 Builders' Exchange. Cost, \$1,400. School, Thirty-second and Chestnut streets.

MARYLAND

Contracts Awarded

Shops, Sparrows Point, Md. Architect, private plans. Owners, Maryland Steel Co., Sparrows Point, Md. Consists of installation of heating plant for new shops, three blower systems operated by three steam driven engines. Contract awarded to Enterprise Steam and Hot Water Heating Co., 600 North Howard street, Baltimore, Md.

Residence, Wendover road and Greenway, Baltimore, Md., \$35,000. Architect, Edw. L. Palmer, Jr., 408 Roland avenue, Roland Park, Md. Owner, C. Braxton Dallaf, on premises. Brick, 3 stories, slate roof, hot water heating, gas and electric lighting. Contract awarded to I. S. Owings, Mt. Washington, Md.

Building, 306 West Baltimore street, Balti-

more, Md. \$8,300. (Alts.) Architect, Louis Levi, Munsey Building, Baltimore, Md. Owners, J. Leopold & Co. on, on premises. Consists of alterations of interior and new front, tile floors, vault lights. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore, Md.

Warehouse, Clay street, Baltimore, Md., \$20,000. Architect, E. H. Glidden, Garrett Building, Baltimore, Md. Owners, Metropolitan Savings Bank, Charles and Saratoga sts., Baltimore. Brick, 5 stories, 44x66 feet, composition roof, electric lighting. Contract awarded to Kogswell-Koether Co. 406 Park avenue, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Mastbaum Bros. & Fleisher (O), Finance Building. Freund-Siedenbach Co. (C), Bulletin Building. Cost, \$18,000. Warehouse, brick, 2 stories, 54x138 feet, 1224-28 Callowhill street.

Simon & Bassett, 1112 Chestnut street. Geo. Kessler Const. Co. (C), Drexel Building. Cost, \$8,500. Dwelling, stone, 3 stories, 33x42 feet, Sedgwick street and Lincoln Drive.

George W. Blabon Co. (O), Nicetown. H. C. Rea Co. (C), 1027 Wood street. Cost, \$22,000. Storage house, brick, 4 stories, 71x45 feet, Blabon street and P. & R. R. R.

John Craig (O), 100 Nippon street. Cost, \$66,000. Sixteen dwellings, stone, 2 stories, 16x47 feet, Highland avenue and Anderson street.

Freidberger-Aaron Co. (O), Eighteenth and

Courtland streets. William Steele & Sons Co. (C), 1600 Arch street. Cost, \$37,000. Manufacturing building, brick and concrete, 3 stories, 72x85 feet, Gratz and Courtland streets.

Thomas Quinn (O), Oak Lane, Pa. Specht & Sperry (C), Heed Building. Cost, \$11,000. Dwelling and garage, stone, 3 stories, 46x53 feet, Seventh and Cheltenham avenue.

Elmer Miller (O), 513 East Allegheny avenue. Alpha Eng. & Const. Co. (C), Heed Building. Cost, \$8,000. Garage, brick, 2 stories, 60x52 feet, Allegheny avenue and Rosehill street.

Emil Veit (O), 1821 Tioga street. Arthur V. Turner (C), 6328 North Camac street. Cost, \$9,000. Dwelling, stone, 3 stories, 26x38 feet, Twelfth and Cheltenham avenue.

Charles Mnabb (C), 2145 East Letterly street. Cost, \$650. Store and dwelling, 2404 Frankford avenue.

Pennsylvania Railroad (O), Broad Street Station. Cost, \$2,700. Electric sub-station, Thirty-second and Market streets.

Bell Telephone Co. (O), 1230 Arch street. Pomeroy Const. Co. (C), 1609 Ranstead street. Cost, \$5,200. Office building, Thirteenth and

Alterations and Additions

I Goldstein (O), 808 East Allegheny avenue. Fred G. Zierle (C), 3933 North Fifth street. Cost, \$930. Store and dwelling, 808 East Allegheny avenue.

Louis Coltenhouse (O), 1933 Columbia avenue. Frank A. Stoll (C), 1432 Germantown avenue. Cost, \$450. Saloon, 1933 West Columbia avenue.

T. Kench (O), 2418 Frankford avenue.

FOR ATTRACTIVE SCAFFOLDING AND FOOT BRIDGES

An Interesting Competition Designed to Give a Touch of Architectural Beauty to the Temporary Scaffolding and Footways Fronting Structures in Course of Building.

The following notice sent out to architects by George & Borst, contractors and builders, 277 South Eleventh street, Philadelphia, is self-explanatory:

"A desire to eliminate ugly scaffolds from building operations in cities, prompts the firm of George & Borst to offer in competition three prizes for the best designed practical builder's scaffold. The Art Jury of Philadelphia has appointed as judges in this competition Messrs. Horace Wells Sellers, John Hall Ran-

and Georgia, by Edward A. Crane and E. E. Soderholtz.

Full particulars are enclosed.

GEORGE & BORST,
Contractors and Builders,
277 South Eleventh Street, Phila., Pa."

A letter addressed by George & Borst to the "Boston Transcript" and the "Washington Times," replying to a communication from these excellent newspapers asking data regarding the proposed competition, goes into



kin and Arthur I. Meigs. In the hope that this will be one step nearer a realization of the City Beautiful, the successful designs will become the common property of any architect, owner or builder desirous of using them. You are cordially invited to enter this competition and to submit one or more designs. The following prizes will be awarded:

The Work of McKim, Mead & White, 8 volumes.

The Work of Charles A. Platt.

Colonial Architecture in South Carolina

some detail regarding the conditions which prompted the firm's interest in the subject.

The letter follows:

"January 4, 1916.

'The Boston Transcript,'

Boston, Massachusetts.

Gentlemen:

I wish to acknowledge your letter of December 31st, 1915, and without further words will explain the nature of our competition.

A few years ago it occurred to us that builders' scaffolds, or footwalk bridges as

they are sometimes called, were most objectionable from an aesthetic point of view, so we set about to improve upon the design. After much thought we devised a neat structure, painted the boards white with cold water paint, and ornamented the framework with lattice work and trailing vines. At this time we had four buildings in course of construction in the heart of the business section of Philadelphia, and one night we converted the old hideous unpainted, unadorned scaffolds into attractive shelters. The effect was electrical; the success instantaneous. Congratulations poured in from all sources; crowds gathered the next morning to view this unique experiment; photographs or news items appeared in at least twenty-four publications; and in the Philadelphia 'Public Ledger' alone photos or references were made in seven different issues, a whole page being devoted to views in its Sunday Pictorial Supplement. We quote one typical letter from Morris L. Cooke, Esq., then Director of Public Works of Philadelphia:

'My attention has been called to the very artistic footwalk bridge you have erected in connection with the reconstruction of Huyler's store at 1320 Chestnut street. I want to express my very sincere appreciation of the splendid manner in which you have carried out one of the department's ideas in the matter of co-operation to make Philadelphia a beautiful city, even in the midst of reconstruction work.

This bridge has been commented on in a highly flattering manner by many callers at this office, and I want to assure you that your work in this connection should act as an inspiration to everyone in your line of business.

Again thanking you, I am,

Yours very sincerely,

(Signed) M. L. COOKE,
Director.'

Suffice for history. While we have tried to show its success, it is necessary to say that criticisms were heard now and then, but these were always directed against the design—not the idea of ornamentation. Some objected to the vines, others to the lattice, while still others suggested the use of flower boxes, etc., etc.

With the object of securing really beautiful designs at a minimum cost, we are inviting three hundred (300) of the best known architects in Boston, New York, Philadelphia, Baltimore and Washington to enter a competition for this purpose, and are offering as prizes the best architectural books published. The Art Jury of Philadelphia has appointed three of Philadelphia's most representative architects as judges, and a fair competition is assured. The chairman of this competition is the President of the Philadelphia Chapter of the American Institute of Architects. When the designs are selected they are to become the property of any who cares to use them, for no charge whatever will be made for their use. It is hoped that this plan will

(Continued on page 53.)

Bell Phone, Spruce 6612. Keystone Phone, Race 2739

The Philadelphia Real Estate Record and BUILDERS' GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 821-825-826)
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Irving Dillon.....Editor

PHILADELPHIA, PA., January 19, 1916.

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Editorial Comment

This number of "The Guide," in addition to the features identified with the Annual Building Statistics Number, familiar to its readers, presents a number of features, more or less new to its pages in deference to the fact that this is "The Structural Iron and Steel Builders' Hardware and Allied Industries Number."

The inception of this special number had its suggestion in the extraordinary activity in iron, steel and related industries incident to the demands of the warring nations abroad. Insensibly in a measure, the prosperous conditions obtaining in the fields mentioned have been communicated to interdependent and related lines, with the result that a condition of unusual activity is more or less general.

The fact that in many of the industries affected the war orders are of a size demanding full time for years beyond the estimated life of the present European conflict, should dissipate all fear of a slump to panicky conditions following a sudden peace. The outlook is in every sense hopeful and encouraging that 1916 will break all records. Building activity has reached a point indicating conditions of prosperity practically national in scope and influence. The outlook for the new year is one of healthy and optimistic tendency.

In nearly every line of the building trades the future looms bright, promising and hopeful of big things. Here, then, is a toast to 1916: May it flower into a year of new records of prosperity and material achievement.

And may "The Guide's" readers, its friends and its advertisers share largely and profitably in the melons to be cut during the booming, brilliant twelve months ahead!

May 1916, indeed, prove a bright and happy New Year to all and each of us!

* * *

In spite of a bad start, building for the year 1915 in Philadelphia exceeded the total for 1914 by more than \$4,000,000 and more than 2,000 operations; the totals for each period mentioned being 17,772 operations, to cost \$39,444,125 last year, compared with 15,709 operations, costing \$35,419,605 in 1914.

As a matter of fact, last year's total was exceeded only three times since 1905, these occasions being 1906, when 17,872 operations, cost \$40,711,510; 1909, when 17,294 operations, cost \$42,881,370, and 1911, when operations numbered 16,215 and cost \$40,030,985.

Of last year's total expenditures for building work, amounting to \$39,444,125, \$21,815,725, considerably more than half, represents the cost of 9,447 dwellings. Compared with 1914, when 6,921 houses were built, at a cost of \$15,531,495, this shows an increase of 2,576 operations and \$6,284,230.

Of last year's houses, 8,810, to cost, \$22,387,800, were of the popular two-story class,

which has given Philadelphia its sobriquet, "The City of Homes;" 623 were three-story, costing \$3,237,425; eleven four-story, costing \$52,000; forty-three of frame, costing \$12,400, and ten of one-story, costing \$16,100. In 1914, 6,418 two-story houses, cost \$12,997,300; 475 of three stories, \$2,412,345; two of four-stories, \$56,000; twenty-four of frame, \$59,350, and two of one-story, \$6,500.

Generally improved business conditions are indicated by the construction of seventy-seven new manufactories last year, at a cost of \$2,973,485, compared with sixty-four, costing \$2,078,485, in 1914, and thirty-four warehouses, to cost \$600,060, as against twenty-two, costing \$316,850, in 1914.

* * *

Some of the principal buildings erected last year are a ten-story loft, on the site of the old Cyclorama, northeast corner of Ninth and Sansom streets, for S. P. Wetherill and others, to cost \$500,000, and a four-story loft, 395 by 240 feet, at the northwest corner of Twenty-third and Market streets, for Kahn & Greenberg, to cost \$400,000.

Beside these there were:

Six-story factory, 210 S. 13th St.....	\$45,000
Two-story factory, 109-11 N. Oriana St.	8,300
Eight-story factory, N. E. Cor. 11th and Brandywine	150,000
Four-story factory, 913 Arch St.....	25,000
Five and six-story addition, Locust, west of 22nd.....	90,000
Two-story garage, N. W. cor. 21st and Brandywine	18,000
Eight-story factory, 253-5 N. Broad....	95,000
Two-story warehouse, N. E. cor. Kensington Ave. and Hilton St.....	11,000
Eight-story warehouse addition, Pine, above Delaware Ave.....	60,000
Eight-story factory, 831-5 Cherry St.....	100,000
Two-story warehouse, east side Front, opposite Federal St.....	63,000
Four-story factory, S. E. cor. 20th St. and Erie Ave.	70,000
Seven-story warehouse, 4142-56 Germantown Ave.	100,000
Four-story factory, N. E. cor. Pechin St. and Krams Ave.....	100,000
Six-story factory, S. E. cor. 11th and Race Sts.	110,000
Seven-story factory, 315-18 Arch St.....	100,000
Six-story factory, N. W. cor. 4th and Cherry Sts.	45,000
Addition to grain elevator, Schuykill Ave., west of 26th St.....	200,000
Five-story addition, S. E. cor. Westmoreland and Mascher Sts.....	120,000
Remodeling City Club, 313-17 South Broad St.	66,000
Three-story addition, S. E. cor. Clementine and Thompson Sts.	18,000

Four-story garage, N. W. cor. 9th and
Cumberland Sts. 50,000
Three-story factory, 1617-23 Melon St. 18,500
Five-story store, 917 Arch St. 15,000

The foregoing are included among fifty-four first-class, commonly known as fireproof, buildings, erected in this city last year at a cost of \$6,714,290. Beside these, twenty-nine additions of first-class construction to existing buildings were constructed at a cost of \$1,512,600.

* * *

The year's work in detail follows:

Character.	Permits.	Operations.
Dwellings, 1-story.....	9	10
Dwellings, 2-story.....	1,406	8,810
Dwellings, 3-story.....	272	623
Dwellings, 4-story.....	2	11
Dwellings, frame	36	43
Tenement houses	6	9
Apartment houses	1	1
Stables	77	78
Manufactories	74	77
Workshops	65	65
Garages	581	595
Office buildings	39	39
Stores	50	74
Warehouses	34	34
Engine and boiler houses...	9	9
Churches	16	16
Schools	13	13
Halls	3	3
Municipal buildings	5	5
Hotels	2	2
Hospitals	4	4
Charitable institutions	1	1
Power houses	5	5
Club houses	4	4
Bank buildings	1	1
Parish buildings	1	1
Library	1	1
Places of amusement.....	3	3
Miscellaneous buildings	134	137
Additions	1,576	1,655
Alterations and repairs....	2,796	2,983
Miscellaneous work	1,825	1,952
Heaters	297	326
Fire-escapes	62	62
Signs	114	114
Rooming house	1	1
Armory	1	1
Convents	2	2
Bath houses	2	2
Totals	9529	17,772

* * *

The number of building operations in each ward is shown in the following table:

Ward.	Permits.	Operations.
First	228	241
Second	167	174
Third	81	83
Fourth	87	91
Fifth	162	166
Sixth	133	129
Seventh	141	147
Eighth	206	207
Ninth	193	195
Tenth	157	157
Eleventh	49	48

Twelfth	55	57
Thirteenth	88	96
Fourteenth	105	111
Fifteenth	176	176
Sixteenth	37	37
Seventeenth	59	60
Eighteenth	72	82
Nineteenth	204	210
Twentieth	183	187
Twenty-first	260	348
Twenty-second	616	859
Twenty-third	351	521
Twenty-fourth	252	279
Twenty-fifth	219	465
Twenty-sixth	215	308
Twenty-seventh	180	205
Twenty-eighth	164	179
Twenty-ninth	105	147
Thirtieth	85	86
Thirty-first	115	148
Thirty-second	132	146
Thirty-third	344	944
Thirty-fourth	427	1,002
Thirty-fifth	177	229
Thirty-sixth	127	132
Thirty-seventh	84	85
Thirty-eighth	301	437
Thirty-ninth	437	1,839
Fortieth	336	1,354
Forty-first	192	268
Forty-second	633	2,022
Forty-third	217	530
Forty-fourth	157	190
Forty-fifth	252	802
Forty-sixth	352	1,179
Forty-seventh	128	138
Forty-eighth	88	267
Totals	9,529	17,772

As is indicated in the foregoing table, the greatest activity was in the wards in which the operative builders were busiest. With the exception of the Eighth, in which several large structures, such as the new Franklin Bank, on Chestnut, west of Broad, are under construction, and the Ninth, where a great many important improvements are under way, expenditures for building fail to reach a million dollars in any except the dwelling wards.

The Forty-second Ward, in which Logan is located, leads with 2,022 operations, costing \$4,935,085. The Thirty-ninth follows, with 1,839 operations, costing \$3,502,205, and then comes the Fortieth, 1,354, to cost \$3,192,235; the Forty-sixth, with 1,179, to cost, \$3,444,500; the Eighth, 207, to cost \$2,572,285; the Thirty-fourth, 1,002, to cost \$2,264,885; the Twenty-second, 859, to cost \$2,089,500; the Thirty-third, 944, to cost \$1,980,205; the Twenty-third, 521, to cost \$1,542,275; the Forty-fifth, 802, to cost \$1,270,645; the Ninth, 195, to cost \$1,140,405, and the Thirty-eighth, 437, to cost \$1,075,350.

* * *

While building was very active, particularly among the operative builders, the latter part of last year, the outlook, according to leading general contractors, is considerably better for next year than has been the case for some years past.

FOR ATTRACTIVE SCAFFOLDING AND FOOT BRIDGES.

(Continued from page 51.)

be widely adopted, for though the project has hardly been launched it has already met with widespread enthusiasm.

It is interesting to note the development of scaffolds since the advent of our original shelters. Hardly a builder has erected a building in this city but that he has at least painted the footbridge, and in some cases pleasing innovations have been made. The plan has even extended to other cities, though no attempt was made heretofore to pass the idea along.

An exhibition of all designs submitted will be held in one of the architectural clubs of Philadelphia and photographs of the three successful designs are to be printed in the Philadelphia 'Public Ledger.' We also suggest your doing the same. The competition will not be closed until March 1st, and the moment the judges make their selection we will release the designs to the public. We feel that this competition will mark the passing of a time-honored but in no wise regrettable institution. No builder can offer an objection on the ground of extravagance, for in the four cases previously mentioned it cost us but an average of \$16.00 a scaffold more than the roughest shelter required by law; and surely the reputation of any builder is worth that much.

An invitation is being mailed you under separate cover, as is also a photograph of one of our first attempts at beautification. We feel that Boston and Washington will welcome this plan with the same enthusiasm that Philadelphia has shown, and we hope eventually to spread these designs broadcast over every part of the country.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—'Municipal Engineering.'

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.—Exchange.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



SOLID WIRE GLASS.

The Pennsylvania Wire Glass Company's Product Manufactured by a Special Process.

From the laboratory experiment—the novelty—of two score years ago, wire glass has come to occupy an unique and rapidly growing place in the world of building material. It serves a need not served by any other product. Usually structural elements may be fashioned in several ways, but the fire resistant window and the skylight that does not disintegrate when cracked must be of wire glass—nothing else will serve. The "Safety First" movement has worked greatly to the benefit of wire glass, and the reverse may be said with equal truth. As a consequence wire glass now finds employment in every building of importance. It has become as standard as brick or steel or concrete. In office buildings, factories, mills, railway shops and terminals, schools—in all the myriad of places where light is demanded and fire and breakage done away with, wire glass finds its employment.

As is inevitable, many minds have worked on the problem of wire glass manufacture and brought forth results of varying degrees of efficiency. In common with other building materials, solidity and homogeneity of structure make for service, and the Solid Wire Glass, made by the Continuous Process, is pre-eminent in this regard. It is made by the Pennsylvania Wire Glass Company, whose headquarters are in Philadelphia, and it has been used in the most important manufacturing and railroad projects in this country and Canada.

STEEL OUTPUT FOR 1915 NEAR RECORD

The 1915 steel story was phenomenal. So close was the output to that of 1913, which was the maximum production year in the history of the country, that it will require full official returns to make the exact facts known. The indication is, however, that the output of both ingots and rolled steel products in 1915 was record breaking. The output of ingots was 31,500,000 tons; in 1913 it was officially reported, 31,300,874 tons were produced. Upon this basis approximately 25,000,000 tons of semi and fully finished products were rolled, exceeding the 1913 production by over 200,000 tons. Comparisons with 1914, year of the greatest depression, show a recovery which three months ago would have been considered impossible.

The steel mills were keenly disappointed in the orders for railroad equipment placed during the first eight months of the year, and most of the large railway equipment manufacturers turned with avidity to war contracts to keep their plants in operation. The improvement that came in the second quarter was largely due to export contracts for cars and locomotives. During the last quarter of the year, however, especially in October and November, the railroads placed relatively large orders for cars and motive power. Contracts for cars, including the orders placed with railroad shops, as well as with merchant builders, and for export as well as for domestic shipment, aggregated 142,436, which was an increase of 65 per cent. over the contracts placed in 1914. During the latter year there had been a drop of 40 per cent. in car orders compared with 1913.

Locomotive builders secured contracts from abroad in large measure before the 1st of July. Since that time domestic roads have been more generous in placing contracts. Including the orders placed for building at railroad shops the contracts booked during the year aggregated 2,044 engines, being an increase of 58 per cent. over the orders secured during the preceding year. In 1914, compared with 1913, there had been a decrease of 55 per cent. in the buying of motive power. Several important contracts are now under negotiation and there is reason to expect decided improvement in the buying of locomotives in the next few months.

The rail mills show an increase of 136 per cent. in orders booked during 1915, as compared with the contracts taken in 1914. Total sales were 3,587,000 tons, of which about 1,600,000 tons are for delivery in 1916. The largest contracts ever taken by the rail mills, however, were in 1913, when orders for over 4,000,000 tons were booked. The rail mills have a capacity of over 5,000,000 tons a year, but a large part of their capacity was utilized temporarily in 1915 to roll round bars for the manufacture of war munitions.

One of the most brilliant records of the year was established by the fabricating

shops, with sales of 1,441,000 tons, of which 236,000 tons were contributed by the railroads for bridge work. The volume of business was increased 49 per cent., as compared with 1914, and increased 44 per cent., as compared with the 1913 contracts. A large part of the gain was secured by independent fabricators.

While railroad equipment contracts made such a favorable showing during the last few months of the year, the total tonnage of steel required—5,531,760 tons—was scarcely more than 18 per cent. of the total contracts booked by the steel companies. This was a gain, however, of 83.7 per cent. compared with the tonnage required in 1914, but a decrease of 35 per cent. as compared with the tonnage required in 1912. The bridge work placed by the railroads increased 35 per cent. compared with the contracts placed in 1914. In the last week the bridge orders distributed by the railroads call for 11,000 tons, the heaviest weekly orders since October, bringing the total for December to 20,000 tons.

The consumption of pig iron in 1915 increased about 33 per cent. as compared with 1914, and decreased about 2.9 per cent. as compared with the record breaking melting in 1913. The total supply of pig metal available in 1915 was a little over 32,000,000 tons, including stocks, production and imports. A little over 2,000,000 tons was withdrawn from consumption through exports of a little over 200,000 tons and stocks of 1,800,000 tons. Consumption apparently was slightly in excess of production during the year.

Merchant sales of pig iron in 1915 were approximately 7,000,000 tons, being with one exception the largest yearly transactions in the history of the trade. The maximum sales were made in 1912, estimated at 7,465,000 tons. The December, 1915, sales were 600,000 tons.

U. S. STEEL'S EARNINGS FOR 1915 WILL REACH \$129,000,000.

Net earnings of the United States Steel Corporation for the nine months ended September 30 last were slightly more than \$79,000,000. It is expected that the final quarter will show a total of nearly \$50,000,000, so that the net revenue for the 12 months of 1915 is expected to be in the neighborhood of \$129,000,000.

While the showing for the final quarter will be remarkable in many respects, the earnings in 1916 will be even at a larger average rate, as the company will be receiving the benefit of higher price for its products.

During 1915 the company authorized more than \$10,000,000 in extensions and improvements, and some of these will be completed in 1916 and will contribute substantially to the company's earnings.

IRON INDUSTRY HAS SURPLUS OF EARNINGS

The iron industry closed the year 1915 with large surplus earnings. Richer revenues still are promised for the first two quarters of 1916 from the 15,000,000 tons to be delivered at highly remunerative prices. Only nine months ago income was insufficient to meet obligations. To-day treasuries are full.

The year's productive achievements are noteworthy. The theoretical annual capacity of the steel furnaces has been raised to 46,800,000 tons of ingots and the actual performance to-day is at the rate of 40,000,000 tons per year and the output for 1915, notwithstanding the relatively low rate of activity during the first half of the year, was approximately 31,500,000 tons. This is an increase of about 34 per cent. over the output of 1914 and an increase of 63 per cent. over the maximum production in 1913. The indication is that 25,000,000 tons of finished products were rolled, being about 7,130,000 tons more than were rolled in 1914 and 209,000 tons more than in 1913. The pig iron production is estimated at 30,000,000 tons, being 28.5 per cent. greater than in 1914 and 3.1 per cent. less than in 1913.

In respect to the contracts secured, however, 1915 stands pre-eminent. The estimated sales of rolled products exceeded 31,000,000 tons, being 75 per cent. greater than the orders taken in 1914 and 17.6 per cent. larger than in 1912, the year of previous maximum business. The selling of this enormous ton-

nage carried prices upward \$12 to \$20 per ton. In 1914 prices had receded \$2 to \$8 per ton following a drop of \$5 to \$9 per ton in 1913.

An increase of 500 per cent. in ocean freight rates in the last year makes it clearly evident that many more freight carriers are urgently needed. To supply this need 200 ocean-going boats calling for 400,000 tons of steel were ordered during the past year, most of them in the past six months. The capacity of the largest yards is sold for fifteen to eighteen months. Extensions and improvements are now being made by the ship builders that will permit the construction of many more boats in American yards.

Much was expected from the railroad companies after the Interstate Commerce Commission granted the plea for an increase of 5 per cent. in freight rates, but not until October and November were any substantial orders placed for cars and locomotives. The larger orders for rolling stock placed in the second quarter came mainly from foreign buyers. The buying of rails, however, was most satisfactory, the gain over 1914 being over 136 per cent. It will be recalled that railroad equipment orders placed in 1914 were the smallest since 1908. The recovery in 1915 was helped by the large export sales and the building of more equipment at railroad as well as at merchant shops. Compared with 1914 car orders increased 65 per cent. and locomotive buying was increased 58 per cent.

HENRY DISSTON & SONS, INC.

"Good steel and honest work," Henry Disston's own explanation of his success, have brought the enterprise founded by him three-quarters of a century ago to a magnitude probably undreamt of by him in his most optimistic visions of the future. It would have been difficult for him to see, in the crude little shop of 1840, with its home-made furnace and meagre tools, the nucleus of a plan equipped with every refinement of the sawmakers' art, having 58 buildings, covering 50 acres of ground, and employing 3,600 men. "Good steel and honest work"—he had no other assets. A thorough knowledge of sawmaking, a little steel, and a few tools, given him in lieu of salary when his employers failed, were his entire stock in trade. Obscurity, and a strong prejudice against tools of domestic manufacture had to be overcome, but "quality" did it and opened the way to recognition for American manufacturers of tools of every kind. "Good steel and honest work," that was all he needed. Capital would come when he had his market.

With a product superior to any other of his time, Henry Disston soon gained recognition as the leader in his field. From this time on development was rapid—simply keeping pace

with the growing demand. His efforts to improve the quality of his saws were unceasing. To get a steel exactly suited to his needs, he built a plant for melting steel himself in 1854 (the first crucible saw-steel plant in America). Twelve years later a file works followed, to supply the immense quantities of files used in the saw plant. (35,000 dozen a year are now used.) Gradually the manufacture of a wide variety of tools was undertaken.

When Henry Disston died in 1878, his sons succeeded him, and his descendants are to-day at the head of the business. Development has been steady and great, but always with the founder's simple motto of "Good steel and honest work" as a guiding policy in competition with the world. "Three-quarters of a century's reputation for quality is too valuable an asset to be jeopardized by inferior products," is the way the present heads express it. Three generations of Disstons have administered the company's affairs since its establishment. And as a sidelight on the respective attitudes of employers and employed, it is interesting to note that a score of men have been with the company over fifty years, and in several instances three generations of the same family work side by side.

BUFFALO WIRE WORKS CO., INC.

The Buffalo Wire Works Company, Inc., of Buffalo, New York, with Philadelphia offices at 11 South Seventh street, manufacture a line of wire work that covers every requirement of the trade, wire cloth, hexagon netting, all meshes; painted, galvanized and bronze window screen cloth; "Grimm's galvanized corrugated wire lathing," plain wire lathing, bank and office railings, wickets, panels, door grilles, office and bank screens, brass rails, elevator enclosures, elevator cabs, wire signs, tool room enclosures, stall guards, wire lockers, window guards, skylight guards, folding gates, vine trainers, coal screens, sand screens, lawn settees, lawn chairs, tree guards, spark guards, wire fencing and machinery guards are among the many wire specialties fabricated by this widely known concern.

The Buffalo Wire Works Company succeeds the firm Scheeler's Sons, which had its origin way back in the '50's by Mr. Martin Scheeler, Sr. In 1903 incorporation papers were filed under the name of Buffalo Wire Works Company, and the following officers are now in charge: Mr. Martin Scheeler, president; Mr. Ferdinand Grimm, vice-president; Mr. John C. Scheeler, secretary; Mr. Philip M. Scheeler, treasurer; Mr. Charles A. Scheeler, assistant treasurer. The New York office is located at 30 Church street.

The plant is one of the largest and best equipped in this country and extends from 316-326 Terrace and from 61-89 Jackson street, in the city of Buffalo, and all the latest machinery and improvements have been installed to care for the requirements of their customers.

The Philadelphia offices, show rooms and warehouse are under the management of Mr. George L. Silpath and Mr. William S. Silpath, men of years experience in the manufacturing and marketing of wire goods. Messrs. Silpath were formerly associated with the DeWitt Wire Cloth Co. and the Rogers Wire Works.

The new No. 8 E Catalog of this company, which is just off the press, contains references and tables of many kinds valuable to business men. It thoroughly explains and illustrates the many kinds of wire cloth, wire work and ornamental iron work manufactured by the Buffalo Wire Works Company, and will be mailed free upon request.

BETHLEHEM'S INCOME BIG.

Although it is admitted by every one that the Bethlehem Steel Corporation will make a good showing in 1915, the earnings in 1916 will be at least 300 per cent. greater. During the new year the company will be turning out shells at the rate of 10,000,000 per year. Estimates of the earnings on the common stock vary considerably, but that they will amount to several hundred per cent. on the issue is not doubted.

PHILADELPHIA AS A BUILDING CENTER

A Classified and Tabulated Statistical Review of Structural Activities During 1915

Number of New Buildings Erected from January 1st to December 31st, 1915.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total Operations.	Estimated Cost.
Amusement, Places of.....	1	..	1	..	..	..	..	1	..	..	..	..	3	\$75,900
Apartment Houses	..	..	..	..	..	1	..	..	..	..	..	..	1	550,000
Armory	..	..	..	..	..	..	..	..	..	..	1	..	1	135,000
Bank	..	..	..	..	1	..	..	..	..	..	..	..	1	29,000
Bath Houses	..	..	..	1	..	..	..	..	..	..	..	1	2	47,000
Charitable Institutions	..	..	..	..	..	..	1	..	..	..	..	..	1	14,500
Club Houses	..	..	..	1	..	..	1	..	..	1	1	..	4	60,350
Convent Buildings	..	..	1	..	..	1	..	..	..	..	..	..	2	49,000
Churches	1	2	..	2	..	2	1	..	1	3	4	..	16	257,200
Dwellings, one-story	..	..	..	2	4	..	..	1	1	..	1	1	10	16,100
“ two story	160	746	1501	973	854	852	829	604	712	733	416	426	8,806	18,390,800
“ three-story	11	20	171	46	34	28	76	123	18	44	21	31	623	3,237,425
“ four-story and over.....	..	..	..	..	..	..	..	..	10	..	..	..	11	52,000
“ frame	4	..	6	9	5	4	1	4	1	3	4	2	43	112,400
Engine and Boiler Houses.....	..	..	..	..	..	2	..	2	..	2	3	..	9	31,400
Garages	11	15	61	63	56	54	50	62	61	68	53	41	595	723,260
Halls	..	..	2	1	..	..	..	1	..	1	1	..	3	23,000
Hospitals	..	..	..	..	..	..	..	..	..	..	..	1	4	506,815
Hotels	..	..	1	..	..	..	..	..	..	1	..	..	2	26,000
Library	..	..	..	..	..	..	..	..	..	..	..	1	1	43,000
Manufactories	1	3	6	6	6	5	6	4	9	8	10	13	77	2,793,485
Municipal Buildings	..	..	..	1	..	..	1	..	2	..	..	1	5	253,000
Miscellaneous Buildings	6	9	11	5	14	13	12	16	11	9	18	13	137	191,870
Office Buildings	2	6	6	3	2	2	2	1	6	3	3	3	39	659,940
Parish Buildings	..	..	1	..	..	..	..	..	..	..	..	..	1	17,000
Power Houses	..	1	2	1	1	..	..	..	..	..	..	..	5	81,235
Rooming House	..	..	..	..	..	..	..	1	..	..	..	..	1	37,000
Schools	..	1	2	1	..	3	..	3	..	1	1	1	13	2,226,900
Stables	2	5	6	10	10	4	10	7	11	6	3	4	78	84,855
Stores	6	..	12	5	9	2	8	5	3	3	16	5	74	241,053
Tenement Houses	1	..	1	5	1	..	..	..	1	..	..	..	9	797,000
Warehouses	2	4	1	..	1	2	1	6	3	6	7	1	34	600,060
Workshops	5	3	8	5	7	5	4	6	8	5	4	5	65	135,440
Total New Buildings.....	213	815	1800	1140	1005	980	1004	847	858	897	567	550	10,676	\$32,498,990
Additions	75	85	162	195	148	168	168	155	134	147	123	99	1,659	4,210,230
Alterations and Repairs.....	202	200	279	272	296	296	295	281	259	254	200	149	2,983	2,090,575
Grand Total.....													15,318	\$38,799,795
Fire Escapes													62	29,545
Heaters													326	148,865
Miscellaneous Work													1,952	435,800
Signs													114	30,120
Total work of all kinds.....													17,772	\$39,444,125

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Total
Jan.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	45	0	0	0	0	0	7	0	0	0	0	2	0	0	0	0	35	29	0	20	0	0	0	20	0	0	160	
Feb.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	24	0	0	0	0	0	0	4	0	4	0	41	237	157	4	96	0	0	136	38	0	0	746	
March	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	30	40	5	59	65	0	0	27	0	0	0	0	0	113	16	0	1	396	295	10	184	22	0	56	125	0	0	1501
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	21	21	0	20	1	0	0	0	0	0	0	219	51	1	0	0	140	77	7	184	27	0	74	124	0	2	973	
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	7	49	34	1	15	0	7	0	0	0	0	0	0	111	6	0	7	81	80	5	193	0	0	152	79	0	26	854	
June	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	21	3	25	0	61	0	0	0	0	0	0	137	41	16	0	5	115	177	37	87	92	0	32	0	0	852			
July	2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	8	0	0	8	25	7	0	88	0	0	0	27	0	0	0	12	198	12	0	31	58	77	7	126	14	0	44	83	0	0	829	
Aug.	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	20	1	0	0	0	0	0	0	0	10	1	3	0	30	94	15	16	201	0	0	56	145	0	0	604		
Sept.	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	5	0	27	0	0	0	0	0	0	127	19	10	0	4	131	60	7	211	21	0	37	39	0	0	712		
Oct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	15	0	1	0	0	0	0	2	0	40	28	11	0	17	162	55	5	142	77	35	19	24	0	84	733		
Nov.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	24	6	0	1	0	0	4	0	0	0	0	0	12	0	14	50	123	0	72	0	0	2	82	0	12	416		
Dec.	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	6	33	26	0	18	0	0	0	0	0	0	0	73	8	1	0	5	1	12	0	19	72	0	18	51	0	83	426	
Totals	4	4	0																																														

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Totals
Jan.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	4	1	2	0	0	0	0	11
Feb.		0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	6	0	0	0	2	1	0	0	0	0	0	0	0	0	20	
March	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	23	1	0	0	0	0	0	0	0	0	18	3	0	0	0	1	0	0	60	0	0	0	57	0	0	171	
April	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	1	4	0	1	0	0	0	0	0	0	0	18	0	0	0	0	4	2	4	0	0	0	0	0	0	46	
May	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	7	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	9	0	0	2	3	0	0	0	0	0	8	34
June	1	0	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	2	0	10	0	0	0	0	0	0	28	
July	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	25	2	0	0	0	0	0	0	0	2	1	18	2	0	0	1	0	0	0	0	0	0	21	0	0	0	76	
Aug.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	6	5	0	0	0	10	1	0	0	0	0	1	0	1	0	0	9	2	0	0	32	0	0	0	52	0	0	123
Sept.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	7	0	0	0	0	0	0	1	0	0	18	
Oct.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	8	6	0	1	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	18	0	0	0	0	0	0	44	
Nov.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	2	0	1	0	0	0	0	0	0	0	2	2	0	0	0	2	0	0	5	0	0	0	0	0	0	21	
Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	5	0	0	2	0	0	0	0	0	0	0	4	1	0	0	0	0	2	0	0	0	4	0	0	0	31	
Totals	5	2	3	13	3	0	2	0	0	0	0	0	1	0	0	0	1	0	2	2																													

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ROEBLING WIRE LATH.

The unrivalled advantages possessed by Roebbling Wire Lath over all other plastering foundations comes from the fact that the wires being of inconsiderable bulk, become imbedded in the plastic material when applied, with the result that the plaster forms practically a continuous surface on the back as well as the front. The bulk of the wall is made up of cement or plaster. It thus becomes practically impossible to disengage the cement or plaster in which Roebbling Wire Lath is imbedded.

The lath and plaster are obviously more securely united than by means of the key that is formed where other lath, particularly wood, is employed, and is infinitely more secure than where the plaster is applied to material having a flat surface, and the two are held together only by adhesion.

Roebbling Wire Lath is not combustible, and when properly plastered, the wall will resist the action of the elements and withstand vibration.

The advantage possessed by Roebbling Wire Lath over the several forms of expanded metal is the great contrast in strength of drawn wire, woven into a strong, close-knit fabric, with interwoven stiffening ribs, as against a rolled sheet metal surface, squeezed thin, and weakened at a thousand points from the cutting and expanding process. Expanded metal, when galvanized, is coated before the punch press cuts the openings. The cuts leave raw and exposed edges without protection of galvanizing, for the action of the elements to begin destruction and disintegration. Also the edges of the expanded metal are so sharp as to cause injury to the hands of workmen applying same.

Sheet metal lath, so called, is made from rolled sheet steel, and has openings for the plaster key, either punched or cut through the sheet. The lath is not expanded and the sheet of lath is the same area as the original rolled sheet before the punch press has cut the small openings. The objection to this material comes from the large amount of space on the rolled sheet which has no keystone, or backing whatsoever, and the great amount of metal upon the reverse side that is unprotected by plaster and therefore is liable to corrosion. Also in event of a fire, walls upon which the plaster is applied to sheet metal lath are a constant menace, as when water is applied, causing sudden contraction, the plaster is likely to immediately peel off. In the use of Roebbling Wire Lath all material is disposed of in accordance with scientific principles. The mortar forms a continuous sur-

face at the back, and the wire is completely imbedded.

Other kinds of metal lath are rarely offered as galvanized after being fabricated, the expense of coating being prohibitive. It is, however, often contended that the extra thickness of the iron makes the heavy coating unnecessary. Such, however, is a fallacy, as it will be readily understood that when iron is attacked by rust the extra amount of metal will not materially retard the rapid destruction of the whole mass. Zinc applied by the hot process after fabrication is the factor contributing to complete resistance of corrosion and therefore to durability.

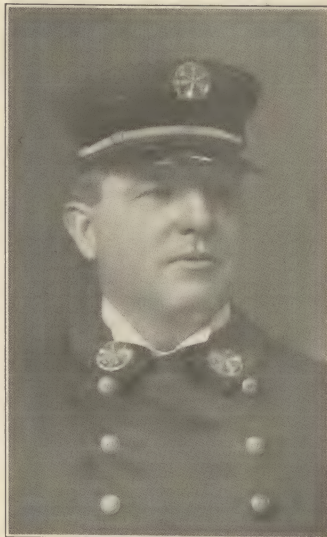
It should also be noted that there is a difference in "galvanizing." The deposit of zinc as applied by some processes is so thin as to add only nominally to the weight and proportionately to the durability. All of Roebbling Galvanized Wire Lath is coated by the hot process, and it is an undisputed fact that this process applies the heaviest deposit.

Plaster board and flat wood lathing (also stamped sheet metal used without plaster for ceilings) are not entitled to serious consideration, as each has only its low cost to recommend its use. Only a thin coating of plaster may be applied, and this in itself is sufficient to deny it consideration, since it does not afford the measure of fire protection to be expected from real plastering. Being very thin it does not deaden sound. As a rule such material is used only in buildings of very low cost, where cheapness is a primary requirement. The fact that mortar cannot pass through it and form a "clinch" or "key" at the back makes it undesirable for buildings of permanent character.

Roebbling Wire Lath partitions are preferable to hollow tiles, as hollow tiles require more floor space, and tile partitions are of excessive weight, requiring proportionately heavier frame work, also when a building settles the joints between tiles sometimes open up.

Roebbling Wire Lath is manufactured by the New Jersey Wire Cloth Company, of Trenton, N. J., who will be glad to furnish descriptive literature to builders, architects and others interested in securing a wire lath that is "the acknowledged standard."

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.



WILLIAM GUERIN

FIRE PROPHET IN NEW ROLE.

Real experts in Fire Prevention are rare, and it is doubtful whether there is in this country, or any other, a man better equipped for that work than Chief William Guerin, formerly head of the Bureau of Fire Prevention of the City of New York, who has been chosen by the Pyrene Manufacturing Company to head its new Engineering Bureau, announcement of which has been just received.

Chief Guerin started in the New York Fire Department as a fireman in 1889, when Hugh Bonner was Chief. He worked his way up the ladder, earning promotion through the successive grades of engineer, lieutenant, captain and Deputy Chief. He missed by a fraction of one percent, appointment as head of the department, but it was reserved for him to do a greater work, in establishing the City Fire Prevention Bureau.

From 1911 to 1913, when he retired, the fire loss of New York City was reduced by many millions of dollars a year as a result of reforms instituted by Chief Guerin. It showed what could be done. At once the idea spread over the country. Portland, Oregon, was one of the most successful cities in establishing bureaus of this kind. Factories were cleaned

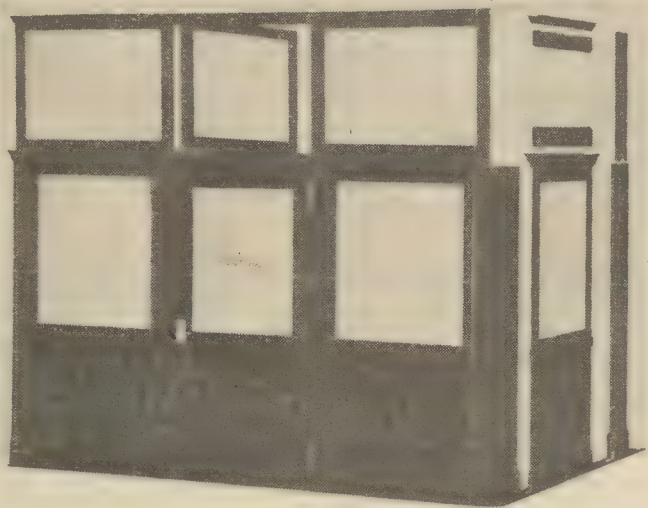
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up, fire alarm systems overhauled, extinguishers installed and means of egress cleared or enlarged.

A striking example of Chief Guerin's knowledge of fire hazards was shown early in December, when Hopewell, Va., was wiped off the map because it neglected to take the precautions that he advised. In August Chief Guerin was called into consultation by the Business Men's Association of Hopewell. He made an inspection of the "magic city," and then entered his report, urging that inasmuch as there was no water supply the city be equipped with small one-quart fire extinguishers.

"A daily miracle is performed when the sun rises and finds your city intact," he wrote, and he added: "What you have to fear most is fire, for if it once got any great headway, your city's name would be Hopeless."

His warning was ignored and the city was swept away.

THE ABRAM COX STOVE COMPANY

Of the many diversified industries of Philadelphia, perhaps there are none more important than the Abram Cox Stove Company, located at American and Dauphin streets, Philadelphia.

Since 1847 this company has manufactured all that is best in stoves, ranges, furnaces and boilers for every type of home under the name "Novelty."

Philadelphia has been placed by the great strides made by this company, foremost in the world's production of this commodity. To-day this business nears the million dollar mark, and it is felt to be still, as it were, in its infancy.

Optimism has ever been the keynote of the enterprise. To verify this word of so many meanings, all that is needed is a trip through the city factory or the larger plant at Lansdale, Pa. The observer will find either a veritable beehive of industry. Both plants are equipped in the most modern manner for the speedy manufacture of stoves, etc., at a minimum cost.

The two plants cover a total area of 500,000 square feet, inclusive of the warehouses. The

city plant covers one and one-half acres; that at Lansdale, eleven and one-half. The capacity is 100 tons daily of melted iron. Many tons of coal, coke and sand are also used. From the various departments of the factories comes every casting and sheet iron part used in the production of the stoves, heaters and boilers—from original plans to final polish. This intensiveness, they say, insures uniform quantity of materials at the least possible manufacturing cost, and furthermore and what is most acceptable to their patrons, prompt deliveries.

Within the last few years the company has produced the most advanced type of combination coal and gas range, for it has been realized that many persons desire to get away from the strictly coal range. It is also evident that they do not care to take the radical step of using gas exclusively. They feel that they have hit upon a happy and efficient medium in "Yearound" and duplex type range.

The highest type of this range is absolutely complete in every particular, combining as it does all the features of two separate ranges condensed into the space of one. It requires no blacking, having a permanent black finish, a process of their own. Its top is gun metal and is cleaned simply with the use of an oiled cloth. The gas light is placed at the top of the range so that it throws light directly upon it just when it is wanted. The gas water heater at the side completes the equipment.

"In our furnaces we believe we have embodied all that is best and have provided for every demand of warm-air heating. In their construction we have omitted no feature of merit which will add to their efficiency and economy. This has all been obtained only through years of experience as manufacturers."

The company was established in 1847 by Abram Cox, with a factory at Sixth street and Germantown avenue. The firm name was Cox & Boughton. A salesroom was maintained at 58 North Second street. A few years later the firm name changed to Cox, Hagar & Cox, and later to Cox, Whiteman & Cox. In 1882 it was incorporated as the Abram Cox

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Concrete For Permanence

A cement used in such operations as Broad Street Station, Reading Terminal, City Hall, Philadelphia Subway, Pennsylvania Railroad's main line electrification, Pennsylvania Building, Finance Building, Delaware River Bridge, Drexel Building, etc. certainly must be above question, so when in the market for cement, why not drop a line to us, asking for prices on our



Giant Portland Cement

which was used in the above operations. We are in a position to make prompt shipments, and want your business.

GIANT PORTLAND CEMENT COMPANY

603-610 PENNSYLVANIA BUILDING - PHILADELPHIA, PA.



Stove Company. Shortly after being incorporated the Lansdale factory was built.

The company has had a steady growth since its beginning. Its greatest progress, however, has been made since 1882. In 1885 Abram C. Mott became president and served in that capacity until February 15 last, when he retired from active business and became chairman of the Board of Directors. Following the

retirement of Mr. Mott, Robert A. Patton was elected president.

The present officers of the concern are: Robert A. Patton, president; Abram C. Mott, Jr., first vice-president; Abram C. Mott, second vice-president and chairman Board of Directors; Charles M. Mott, treasurer and secretary, and Charles M. Ambler, assistant treasurer and secretary and sales manager.

for manufacturing cement through an artificial mixture of limestone and clay, and patented his discovery in 1824, started a far-reaching, although until late, slow-moving revolution in engineering and construction work. From England the use of Portland cement spread to Germany, and the first Portland cement used in the United States was imported from Germany.

Now, however, the United States has opening before it a new field for cement in South America, which heretofore derived practically all of its cement from Belgian, German and English sources. Before the war Brazil alone was buying considerably more than five million dollars' worth of cement a year, in which trade the United States shared to the extent of less than three hundred thousand dollars. The Argentine was purchasing hundreds of thousands of barrels abroad, Germany and England contributing from eight to twelve times as much as the United States. But the closing off of the ordinary European sources has resulted in an increasing export trade to the South, and Brazil recently bought nearly a hundred thousand dollars' worth of American cement in one month. In the growth of the industry, whether foreign or domestic, the lower Lehigh Valley can well be proud of its present production of fifty-five barrels a second.

OUR BIG CEMENT BUSINESS

A despatch from Allentown the other day announced the death of an octogenarian resident of that city, Tilghman H. Dorney, credited with having been the discoverer of the valuable limestone deposits that lie along the base of the Blue Mountains in Lehigh and Northampton Counties. Dorney is said to have discovered these deposits while engaged in prospecting for new veins of coal which he believed could be found in the lower Lehigh Valley. But, interesting and valuable as he rated the newly discovered limestone beds, he could not have dreamed then of the big industry which was to grow up with giant strides at the opening of the present century and give to a small corner of Pennsylvania an output of cement that, in quantity and value, puts Lehigh Valley cement in the forefront of that industry.

The story of the marvelous growth of the cement industry, increasing twelve hundred per cent. in a decade, due to the rapidly-growing and diversified uses found for reinforced concrete construction, has been told many times. But it is worth noting that in this little corner of Pennsylvania there was produced last year nearly twenty-five million barrels of cement, worth approximately twenty million dollars. This production was less than a third of that of the United States—for within the last decade the United States has become the greatest cement producing country in the world—and the extent to which the Lehigh Valley figured in this production can be judged by the fact that it now produces nearly three times as much Portland cement as the entire country turned out in 1900 and nearly as much as the entire produc-

tion of the one hundred cement mills of Germany, the second largest cement producing country.

But the pleasant little thirty mile stretch of hill and dale that begins at Coplay and Egypt, just beyond the busy little cities of Hokendauqua and Catasauqua, extending thence diagonally northeastward through Siegfried, Bath and Nazareth to Bangor and Portland, just below the Delaware Water Gap, is worth more than a half billion dollars for its cement producing minerals alone. For that would be its value were its annual output capitalized on a basis of a four per cent. return.

What cement has done and is doing is well known. The Panama Canal could not have been built without it. Our modern subways and big terminal improvements have been made possible by the development in concrete construction. To-day the worker in concrete designs not only buildings and other large structures, but we produce concrete barges, concrete lamp posts, street signs, letter boxes, bird posts, pipes and fences and some medical experts even have gone on record as holding that cement dust is good for tuberculosis.

It was not until 1866 that the first Portland cement was produced in Pennsylvania at Siegfried; five years later an active plant was set up at Coplay, and the Centennial year had almost arrived before cement making had become an established industry. One can imagine, however, the part Pennsylvania will play in the centennial of Portland cement when that anniversary is observed eight years from now. The brickmaker of Leeds, Joseph Apsdin, who discovered the chemical formula

BANQUET TO NICE VARNISH EMPLOYEES.

Sixty employees of Eugene E. Nice, maker of paints and varnishes, at 272-274 South Second street, were guests at a dinner given by their employer at the Hotel Walton. The dinner is an annual affair, originated by Mr. Nice several years ago. Mr. Nice said that the business of his concern during the last year had been the largest in its history, and plans were under way to broaden its field. He told the employees that a new varnish-making plant would be erected at State street and the Pennsylvania Railroad, Camden, N. J., to handle the business this year.

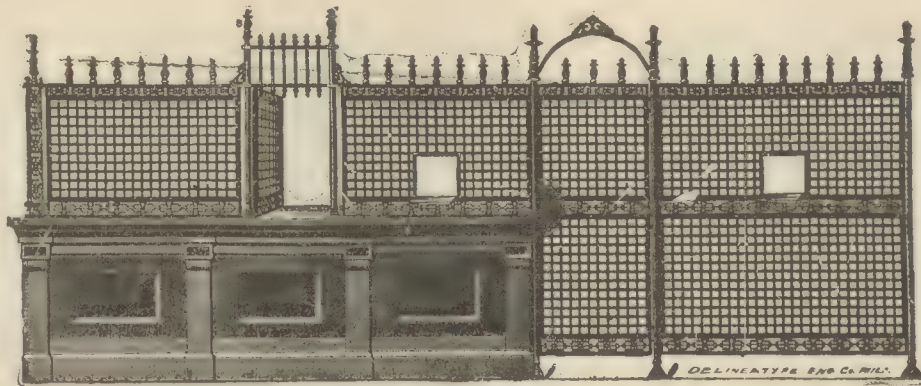
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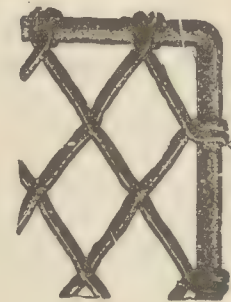
Area Railings and
Gratings, Brass
Foot Rails and
Panels



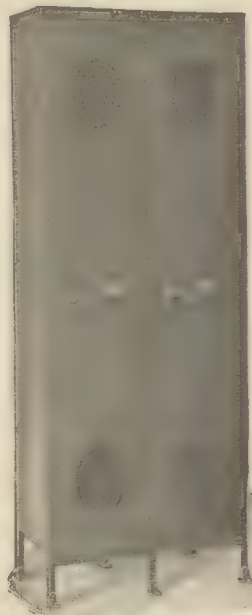
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Design 402

Pen-Dar Steel Lockers

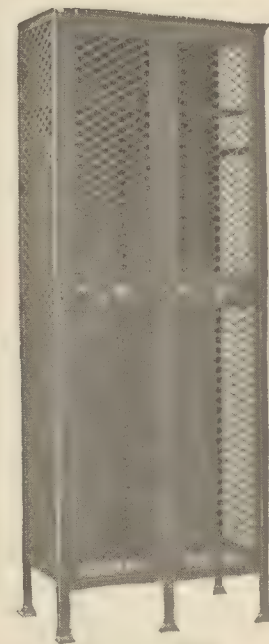
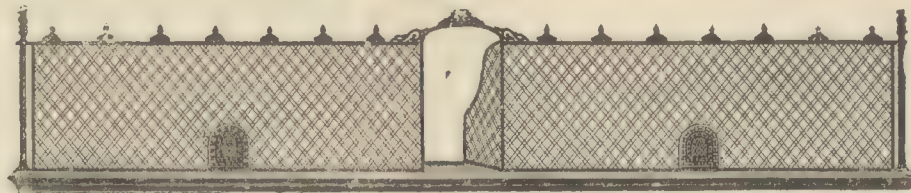
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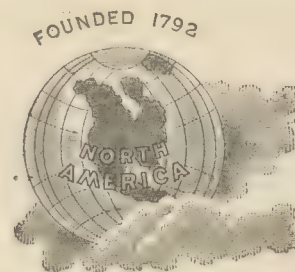
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THEO. H. CONDERMAN	RICHARD CAMPION
JAMES BUTTERWORTH	DIMNER BEEBER
JOHN McKINNEY	GEO. W. NEVIL
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FIRE INSURANCE A VITAL FUNCTION IN MODERN LIFE

Destructible Property Valued at Approximately \$60,000,000,000 Under Protection of Policies at Present Time in This Country

By Frank Locke, Manager Atlas Assurance Company, Ltd.

Fire insurance must be deemed an integral element in the business and social constitution of all civilized countries; present day conditions could not be maintained without fire insurance or its equivalent. As some index of the extent to which it serves as a vital function it may be stated that destructible property valued approximately at \$60,000,000,000 is under the protection of fire insurance policies at the present time in the United States alone, including both policies issued in 1914 and unexpired policies of previous years.

Treating the year 1914 by itself, by taking the figures reported to the New York State Insurance Department and adding an estimated amount for companies not doing business in New York State, the total of all fire insurance transactions in the United States for the year may be summarized as the equivalent of one policy issued to "The People" for a sum insured of about \$40,000,000,000; the premium paid approximates \$390,000,000. The losses recouped to policyholders were about \$234,000,000, while the expenses necessary for the transaction of the business amounted to \$152,000,000. This statement shows a surplus amounting to \$4,000,000, or 1 per cent. only. It may be remarked that many individual citizens receive a larger net income from their investments than the profit in 1914 from premiums of all the fire insurance companies combined.

The compensation to stockholders for the capital risked is derived in part from interest upon invested funds, but as shown the premiums themselves furnished barely 1 per cent. margin over losses and expenses. This meager compensation is utterly inadequate as a reward for the hazards to which capital is exposed. While it is true that 1914 was in some respects abnormal in its results, yet the average of the previous twenty years shows a surplus much less than 1 per cent. as the contribution from premiums in the way of profit.

It is indisputable that this percentage would prove hopelessly inadequate to keep capital from deserting a business so fraught with hazard were it not that the sums held to the credit of policyholders for premiums on unexpired policies, added to reserves voluntarily held by the companies to meet the contingency of heavy conflagrations, admit of a certain amount of interest earnings, the additional compensation so derived being from the investment or banking side of the business, such as money can earn anywhere. Even then it becomes obvious that it is only those companies which are well endowed with surplus funds, and with management of more than average ability, which are able to main-

tain themselves under the present day strenuous conditions of the fire insurance business.

It is argued that an expense ratio amounting to over 39 per cent. of the premiums is needlessly high for the conduct of the business. While this is pressed with much insistence from many quarters no practical suggestion is made as to how the cost of transacting the business can be materially reduced. The principal item is that of commissions to agents and brokers, which constitute more than one-half of the total expense, thus naturally suggesting that the line of economy must be sought here.

It must be remembered, however, that the business of fire insurance is largely on a retail basis and therefore necessarily costly, the premiums on individual policies running from \$1 upward. Attention is being given to a possible readjustment of commission on a basis of payment in part by a flat commission and in part by an interest on profits, which arrangement if properly worked out may eventually somewhat reduce the cost of the business; what is much more important is that such a basis may reduce the aggregate amount of loss by a more careful selection of the business by the agents.

Taxation of all kinds absorbs more than \$3.00 out of every \$100 of premium paid, a percentage which can find no justification. It is an extravagant way of raising revenue whether for State or city, and nothing can be more short sighted than revenue measures of this kind, since it results that with an expense ratio of nearly forty cents out of every dollar paid the policyholders must pay about \$1.65 for every \$1 the authorities receive in taxes.

The amount of taxes levied in 1914 far exceeded the amount of profit which the companies received out of premiums paid. It therefore becomes a tax upon losses, not upon gains, thus being essentially wrong in principle as well as foolishly extravagant in the method of collection. It does not seem to be realized either by the public or by the authorities that all losses and expenses must be met out of the premiums, and that therefore it is much to the interest of the public that both losses and expenses should be reduced to the minimum instead of being made an extravagant channel for revenue.

A considerable amount of the expense incurred by the companies goes purely and simply to fire preventive work in the maintenance of technical laboratories for the study of all fire hazards and in the inspection of buildings and processes, of which inspections millions are made in the course of a year. Such expense is in the highest sense econom-

ical, and it is through such means that the fire insurance business is rightfully entitled to be reckoned the one paramount fire preventive force to keep down the enormous fire cost of this country.

The three great producers of the fire loss are:

- 1—Severe climatic conditions.
- 2—Temperamental carelessness of the community.
- 3—Heavy proportion of timber construction, especially of shingle roofs.

The two last of these are checked and controlled by fire insurance methods in a manner analogous to the control of disease by medical science.

One of the marked features of present day fire insurance aspects is the concentration of the business into fewer and larger organizations. Present day tendencies all favor the larger companies, the larger agencies and the larger brokerage firms. This is not to be wondered at when it is remembered that the rates of premium charged for the same risks are almost universally the same by all companies. There is therefore a natural drift toward size, age and prestige; the logic of events in this respect seems to be irresistible, hence the number of companies operating have a tendency to decline while those remaining increase in size and power. This is made manifest by the fact that twenty years ago there were reporting to the New York State Insurance Department some 120 independent companies having funds of \$200,000 or upward, while in 1915 the number had become reduced to about 110.

The financial conditions generally, due to well-known causes not necessary to recapitulate, had prejudicially affected the fire insurance business early in 1914. Recovery was being felt from this when the outbreak of the world war once more threw things into a tense and abnormal condition which is reflected in the fire insurance business. "Moral Hazard," so called, which means the occurrence of fires not purely accidental, has materially increased in certain sections of the country, especially in those sections where merchandise and produce became stagnant or unmarketable.

One phenomenal feature has been the unusual number of dwelling losses which have occurred where in many instances there is more than suspicion that money raised by the burning of a dwelling has been the means by which business disaster has been averted. In the history of underwriting this feature has never been so strongly marked as during the past few months, especially in certain sections of the country. To these causes must mainly be attributed the unprofitable nature of the 1914 business and the fact that 1915 shows but little signs of improvement. Due to the same business conditions is the fact that the premium income for the past year shows a marked tendency to decline so that there is but little prospect of substantial profit to the business as a whole for 1915.

The present tendency of the premium rate is for a steady decline. In 1914 the average rate was lower at about 1.02 per cent. than

in any year this century. The rapid extension of schedule rating is causing a steady decline in rate by reason of credits for improvements, which tendency is greatly helped by the increase in the equipment of buildings with automatic sprinklers. The effect of the strengthening of fire department equipments by the substitution of the motor for the horse and the general improvement in the water supplies of many cities are also marked features in average rate reductions.

The functions of the fire insurance business may be defined as threefold:

1—To protect the home from disaster resulting from fire.

2—To protect the business, the means of livelihood, by furnishing ability to resume after destruction by fire.

3—To protect the community, and even the nation, from disaster consequent upon conflagrations of the first magnitude.

It is apparent that the first two functions do not involve questions of prime importance, being local and individual, but the question of ability to meet a first class conflagration is not local or individual; it is not even a question merely State-wide; it is national. Take, for instance, the conflagration in San Francisco in 1906. It is obvious that had the fire insurance companies not been prepared with \$200,000,000 liquid assets immediately available, city, State and nation must all have suffered to meet an abnormal strain which actually was cared for with smoothness and celerity by the fire insurance funds contributed from all over the world. It is not too much to say that a national crisis was in this way averted.

Many large cities in the United States at the present time are quite capable of furnishing a loss by an individual fire which shall far transcend the calamity which visited San Francisco. The supreme function of the fire insurance business is therefore to be prepared for the emergency of immediately filling the breach so as to maintain confidence and restore normal conditions in the business and financial world with the least shock.

HOLMESBURG GRANITE COMPANY

The Holmesburg Granite Company has removed to new and commodious offices in the Commercial Trust Building, Room 410. This widely known concern, established fifteen years in its field, specializes in paving, building and bridge stone.

Among notable buildings to which the Holmesburg Company has recently supplied the stone have been the new Masonic Home, at Elizabethtown; the Catholic Home for Destitute Children, the Second Regiment Armory, St. Nathaniel's P. E. Church, the Dormitory Building of St. Charles Borromeo's, at Overbrook; the Wanamaker belfry tower at the cemetery of St. James the Less, and a host of others.

Don't lose your grip. Noah was 600 years old before he knew how to build an ark.

PAINTS MADE IN U. S. A. GO TO ALL PARTS OF THE WORLD

**No Other Country a Serious Competitor in This Article—
Zinc Oxide Basis of Big Industry**

G. B. Heckel, Secretary Paint Manufacturers' Association of the United States.

Few of us realize how intimately that commonplace material, paint, enters into and pervades our daily lives.

The houses we live in are painted, the fences that surround them are painted, the cars in which we ride, the structures on which they travel and the machinery that provides their motive power are protected and decorated with paint.

This is true also of a large proportion of the furniture, tools or utensils we daily use. Go where we will, look where we may, our eyes rest on painted surfaces.

It might be expected that a material so conspicuous in our surroundings and evidently so important to our comfort would challenge more than a passing interest. Yet, as a matter of fact, even the architect, who constantly specifies paint, usually gives it but slight attention; while to the consumer, whose property is protected or decorated with it, paint, as a rule, is just "paint" and nothing more.

Yet the manufacture of paint is an important American industry, in which many millions of capital are invested, and which turns out annually something like \$200,000,000 worth of products.

It consumes, in linseed oil, for example, between 15,000,000 and 20,000,000 bushels of flaxseed every year, and this seed is grown on an area of about 2,000,000 acres, giving in this single item large employment to the agricultural and shipping interests.

A peculiarly American feature of the industry is the manufacture of prepared paint. It began in this country a little over half a century ago and the annual output to-day is worth well over \$100,000,000. No foreign country approaches us in this respect. Even in England the annual output is still negligible, though prepared paints "Made in the U. S. A." are found in every civilized country.

Success Due to Zinc Oxide.

The success of the prepared paint industry was made possible by the introduction of zinc oxide as a commercial pigment. The story of this achievement reads like a romance.

In the city of Paris, about seventy-five years ago, there lived a painter named Le Claire. He was a good painter and took pride in a first class lasting job. But he was not satisfied with the materials he and other painters were using. He wanted a better, safer base for paint. He wanted something that would retain lustre—lessen chalking—retain color—put an end forever to poisoning.

After a great deal of experiment he found it—oxide of zinc.

And when Le Claire showed the French people buildings beautified by zinc paint which far outlasted and outlusted anything that they had previously seen they grew enthusiastic over his wonderful discovery. All over France people demanded that their houses be painted with zinc paint. They gave Le Claire all the work he could do—built up his modest business of house painting into a great concern—made his everlasting fortune.

Le Claire did not make prepared paints. Being a painter, he followed the old painter's routine of hand mixing for each job. It needed American genius to see the advantage of letting machinery do the work of preparation, and the physical properties of zinc gave the opportunity. White lead, the other important white pigment, is hard to keep in suspension in oil. It settles to the bottom of the can quickly and must be constantly stirred; whereas zinc is light and fluffy and easily remains in suspension and holds the other pigments up. Consequently the prepared paint industry was based on zinc oxide.

Big Changes in Ideas.

Paint was originally regarded chiefly as a decorative material, but it was soon discovered that the right kind of paint is also protective and preservative. As a result, our ideas regarding it have completely changed during the last ten or fifteen years, and there have been much research and specialization in the industry.

The Paint Manufacturers' Association of the United States, for instance, maintains at the Institute of Industrial Research in Washington fully equipped chemical, physical and bacteriological laboratories, where a corps of experts is constantly at work studying paint materials and painting problems. The results of these investigations go to the manufacturers in technical bulletins, and to the consuming public, through dealers, in the form of circulars, pamphlets, etc., written in untechnical language.

This Bureau, since its organization in 1904, has issued forty-six bulletins, twenty-six bound booklets, thirty-one circulars and twenty-six "tabloids" (envelope cards). The circulation of the booklets has exceeded 1,500,000 copies—of one of them, "The Paint Catechism," 600,000; of the little "tabloids," 25,000,000. This literature treats of paint in general as an economic proposition, and not of individual products.

This Bureau, as a result of testing and re-



An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

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Anchor Post Iron Works

W. S. SLACK, Manager
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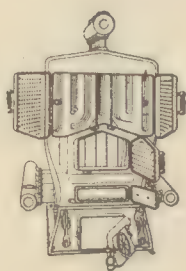
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A boiler recommended by all who use them is not necessarily a reason why you should buy that boiler. But it is perhaps a reason why you should see that boiler before installing any other.

The H. B. SMITH CO.
1225 Arch Street
PHILADELPHIA - PA.

BORDEN STOVE COMPANY.

The Borden Stove Company, manufacturers of stoves, furnaces, refrigerators and steam and hot water boilers, 118-120-122 N. Second street, Philadelphia, have been acknowledged leaders in their field for something like 37 years, during which they have given to the trade a series of lines of goods that have not only been meritorious from the quality view-point, but that have kept pace with every improvement that science and ingenuity have been able to devise within that period. The motto of the Borden Company has been "A correct appliance for every purpose." Announcement is made by the Borden Company that on and after January 1st, 1916, this fine old concern will handle exclusively the "Adelphia" brand of ranges, warm-air furnaces and steam and hot water boilers. The "Adelphia" line involves improvements both as to pattern and service possessed by no other line on the market. It will consist of the long established and widely known Borden quality plus a policy designed to protect and promote the interest of Borden dealers. Sales will be made to legitimate dealers only, who will not only be carefully protected as to their agency rights but as carefully defended against installation or operation "cut" prices. Every piece of goods sold under the name "Adelphia" is guaranteed by the Borden Company, who back up the quality thus insured to their patrons by Borden service—prompt delivery.

The Borden Company will be glad to welcome to its show rooms architects, builders, stove or heater men who care to inspect the splendid line of ranges, warm-air furnaces, steam and hot water boilers there on display, or to show them other specialties of the company's large and varied line.

A post card will bring the new catalogue to persons interested. Address the Borden Stove Company, 118, 120, 122 North Second street, Philadelphia.

MERCHANT & EVANS CO.

The Merchant & Evans Company, one of the landmarks in the growth of Philadelphia into a great commercial and manufacturing center, has removed from the building at 517 Arch street, which it has occupied for twenty-eight years, to larger and more commodious quarters at 2019-35 Washington avenue. This firm, one of the oldest and most widely known in the trade, has been continuously engaged in the metal manufacturing line for half a century, and is said to have a clientele exceeding 30,000 accounts scattered throughout the country. Mr. Powell Evans is the president of the company.

**Messrs. Frank V. Warren and Thomas R. Moore, formerly with Cramp & Co., and George S. Worth announce their incorporation, under the name of Warren, Moore & Co., to engage in general contracting and building construction, with offices at 519 and 520 Commercial Trust Building, Philadelphia, Pa.

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Philadelphia, Pa.

search, has reached some conclusions of interest to every painter, paint dealer and paint consumer. Among those conclusions are the following:

"Two or more of the prime white pigments (basic carbonate white lead, basic sulphate white lead and zinc oxide) in combination, with or without a moderate percentage of inert reinforcing pigment, make a paint that is in every way superior to paint made from a single pigment.

Prevents Disintegration.

"Concrete and cement surfaces can be successfully and satisfactorily painted with ordinary high-grade linseed oil paints, and thus preserved from disintegration.

"Certain types of paint promote the corrosion of steel in the presence of moisture; others inhibit or retard it. The latter should be used in priming coats for steel structures. (Incidentally it is interesting to note that zinc is one of the best of these so-called "Inhibitive Pigments.")

"Shingles can be protected from fire due to flying cinders, brands or sparks by the use of ordinary metallic oxide paints. Therefore paint the roof and prevent fire.

"Rosin and rosin oil appear to promote early cracking of the paint film and therefore should not be used in house paints.

"Oil paints in drying give off germicidal vapors; therefore the painting of interior walls is efficient disinfection.

"Light colored paints transmit more heat than dark colored paints or the so-called bronzes. Radiators should therefore be coated with light tinted paints or enamels."

The Bureau also maintains a number of paint test fences in various parts of the country where the behavior of various types of paint for different purposes is under constant observation.

The conclusion of the Bureau as to the superiority of paints containing several rather than one pigment is corroborated by the American Society for Testing Materials, which in its report on the wear of paints tested on its own fence at Arlington, Virginia, states that:

"None of the paints composed of a single primary pigment is equal to the paints made up with composite pigments except zinc-lead white, which is actually a composite pigment.

"In the binary and ternary (two and three) series the groups containing zinc oxide show less cracking and checking and a whiter and cleaner surface than those groups in which it is absent.

"The present conditions also seem to warrant the statement that the quarternary (four pigment) series is in the best condition of any of the panels included in the test."

Present Day Paints the Best.

It may be confidently stated that the better grades of house paints are better to-day than ever before as a result of the serious study that has been devoted to the subject by technical men in recent years.

Among the conclusions of the Educational Bureau noted above, that regarding the sanitary value of paint is important. It has

been found that paint in drying gives off, among other things, formaldehyde, and that germs cannot live in the presence of paint vapors. Consequently one of the best possible ways to disinfect a room or a house is to paint the walls.

Fortunately flat wall paints were introduced just before this discovery was made; and the consumer was given a highly satisfactory material with which to decorate and disinfect at the same time.

This same flat wall paint is another of the romances of the industry. It depends for its flatness upon two ingredients—China wood oil and lithopone, which together produce cheaply and easily a flat drying solid paint, which can be washed. Lithopone, a compound of zinc, barium and sulphur, was introduced to the trade less than twenty years ago, and China wood oil at about the same time.

The consumption of both has grown enormously and the flat finishes produced from them have made serious inroads into the wall paper business.

Periodically during the past three years there has swept over the country, in constantly growing intensity, a wave of enthusiasm for cleanliness and sanitation; so that the annual "Clean-up Week" bids fair to become a national institution.

The inevitable accompaniment and sequel to a "clean-up" campaign is a "paint-up" carnival. The results of cleansing and disinfection are made visible and permanent by putting on a coating of beauty or protection where they are needed.

Paint Also a Disinfectant.

Paint, of itself, as has been shown, is in no slight degree a disinfectant. The Assistant Director of the Institute of Industrial Research, at Washington, D. C., Henry A. Gardner, clearly demonstrated this some time since by preparing two cultures of typhoid bacillus in gelatine. One he placed overnight in an unpainted room and the other in a room that had been freshly painted. The next morning the culture from the painted room was dead, while that from the unpainted room had grown throughout the mass of gelatine.

Nothing is so clean as fresh paint and nothing looks so clean. Furthermore, the painting habits of a property owner are taken by the banks and financial institutions as a fair index of personal character and general habits. Some of the leading agricultural papers have been making inquiries on this subject, with the unexpected result that the bankers state that they are always willing to lend from twenty to forty per cent. more to a man who keeps his building well painted than to a man who neglects his painting.

Paint is also an important adjunct to conservation. Now that the whole country has been awakened to the necessity of conserving our natural resources, it is well for each of us to remember that he can contribute his quota of conservation by protecting the lumber in his own buildings with paint. Unpainted wood will decay, but wood properly painted and repainted at proper intervals is practically eternal.

The proper interval for repainting is from three to five years, depending on conditions; but there is no arbitrary rule—a surface should be repainted when it needs repainting. The first painting, on new wood, should be three coats (never fewer) and the repainting, two coats. All loose paint should be removed before repainting, otherwise the fresh paint will not secure a firm hold.

Paint Preserves Shingles.

Shingle roofs will last indefinitely if regularly painted like the rest of the house, and a painted shingle will not only lie flat, thus remaining watertight, but it will not take fire from flying brands or sparks.

A tin roof should have at the beginning two coats of paint, and after that a single fresh coat at intervals of not less than two or three years.

For interior wall decoration nothing is more permanently pleasing or more completely satisfactory from a sanitary point of view than the modern flat interior finishes already mentioned. These can be obtained in any tint or shade; they produce a velvety surface without glass and can be lightly washed with neutral soap and water when soiled. Most important of all, they are germicidal when fresh and practically germ-proof when old, since they afford no lodgment for dust and can be sponged off in the course of regular housecleaning. No one who has tried this type of wall decoration will tolerate any other.

For bathroom and kitchen, next to tiling, which, of course, is best, varnish enamels are preferable. These are made with zinc oxide ground in a good water resistant varnish. White is the preferred color for the bath room, but tints are more suitable for the kitchen. For the latter, however, if the enamel treatment is regarded as too expensive, ordinary oil point or the flat interior paint already mentioned will be satisfactory.

Don't Neglect Back Fence.

And while preserving, "sanifying" and decorating the interiors and exteriors of our dwellings, let us not forget that the back fence is also a part of the house, and that it contains lumber that is worth preserving. It costs very little to paint a fence once every three or four years, but it costs a good deal to renew the fence when it has rotted for lack of paint.

The selection of paint is an important matter, but, after all, presents no serious difficulty. The most important item in the process is the selection of the painter. In him honesty, skill and experience are essential qualities. But besides this, he should be up-to-date. Painters, like the rest of us, are too often tied to tradition and routine—a few keep abreast of the times. The up-to-date painter will know that he can give his customer better value with a combination of zinc and lead than with either alone, and the question, "Do you use zinc with your lead for outside painting?" is worth asking. The answer will indicate the extent to which he has been modernized.

Prepared paints, bearing on the label the name and address of a responsible manufacturer, can generally be relied upon to give

good value and good service. They are based on white lead, zinc oxide and linseed oil. They have the advantage of uniformity of composition and the additional advantage of

the accuracy of preparation insured by machine mixing. Furthermore, they contain all the necessary ingredients, and, therefore, are practically "fool-proof."

BANKING IN PHILADELPHIA

How Philadelphia Has Led in the Financial History and at Every Crisis in the Development of This Country.

In the financial history of Philadelphia the most remarkable fact is that, at every important crisis, the National Government has turned to this city as its main resource against financial disaster.

Robert Morris financed the Revolution, aided by Philadelphia colleagues; Stephen Girard, almost alone, carried the financial burden of the War of 1812; E. W. Clark negotiated the necessary loans for the Mexican War, while the heroic efforts of Jay Cooke tided the national finances over the stress of the Civil War.

William Penn, the founder, gave the first impetus of fair play, and strict, equitable dealings which have since dominated the commercial life of Philadelphia, making it for more than two centuries the veritable keystone of the financial arch in this country.

A plan for a local bank had been discussed in Philadelphia as early as 1763, but the first definite proposal on the subject came from Alexander Hamilton, in 1779. This led to the temporary committee of organization, founded in 1780 at Philadelphia by Robert Morris and others, for the purpose of sending supplies to the Revolutionary Army. It was popularly known as the "Bank of Pennsylvania," and proved the chief reliance of the Government in keeping the army equipped in the field until the close of the war. As an inchoate "bank," it continued in operation about eighteen months.

Robert Morris was the financier of the Revolution, and when Washington's half naked, half starved troops were at Valley Forge it was Mr. Morris who gave his entire fortune to provide for the patriot army. Having no means of his own after the war, and owing to the existence of a Debtor's Law, Mr. Morris was imprisoned because of his inability to pay his own personal debts. He took no form of obligation whatever from the Government, and received nothing in return for the large sums spent in its behalf. His body lies buried in a quiet corner of Christ Church, Philadelphia, with only an ordinary marble slab to commemorate his services, but, be it said to the credit of the Bankers of Pennsylvania, that through the co-operation of the State they have raised a fund of \$35,000 to insure the erection of a monument to his memory.

It was Robert Morris, who, in 1781, submitted to Congress the first definite plan to incorporate a national bank. This resulted in a charter by Congress, May 26, 1781, establishing the Bank of North America, at Phila-

delphia, the first in this country. The second, the Bank of Massachusetts, at Boston, was chartered February 7, 1784, and the third, the Bank of New York, at New York, on June 9, 1784. When the Federal Constitution was adopted in 1787, these three were the only organized banks in America, but the Bank of Pennsylvania was revived shortly after under State auspices.

Congress chartered the first Bank of the United States in 1791, locating it at Philadelphia, and it remained in this city throughout its chequered career.

A fourth bank was added to the financial resources of the city by the incorporation of The Philadelphia Bank, in 1803. Its rapid growth and success added to the banking supremacy of this city, which it maintained well into the century, when the Erie Canal and foreign commerce sent New York to the front.

During the period following the Revolution, Stephen Girard became the foremost merchant and "wealthiest man in America." When the first Bank of the United States was dissolved, in 1811, he bought from the Barings, in London, most of its stock held abroad and became its principal creditor. He decided to open a private bank of his own, which he did, in May, 1812, and occupied the building which had been erected for the Bank of the United States, on Third street; it has since become the home of the Girard National Bank.

Twice during the War of 1812, Girard took up the loans of the United States, first in March, 1813, and again in the extreme stress of December, 1814, and thus saved the Government from going into bankruptcy.

The year 1812 was also marked by the organization of the Pennsylvania Company for Insurance on Lives and Granting Annuities, the oldest corporation in the United States to which has been granted trust company powers.

In the period of fluctuation and stress which led to the suspension of the Second Bank of the United States in 1841, the Philadelphia banking institutions steadily held their own, and in fact, formed the main bulwark of the country against a general panic, as they have in virtually every subsequent crisis. The resources of the city were sufficient, in 1847-48, to enable a leading banker, E. W. Clarke, to carry through the necessary Government loans for the Mexican War.

Upon the passage of the National Bank Act by Congress, in 1863, Philadelphians were the first to accept and act upon the new condi-

tions, the first charter under the new system being issued to the First National Bank of this city on June 20, 1863.

It was, in part, the activity of Jay Cooke, of Philadelphia, in financing the loans of the great transcontinental railroads that made the Government again turn to Philadelphia in the pressure for funds and credit of 1863-64. Mr. Cooke so ably sustained the prestige of Philadelphia bankers for unselfish patriotism, that his service was recognized by President Lincoln as one of the most essential contributions to the success of the Union cause. In this work, Mr. Cooke was generously supported by all the banking institutions of the city, both in direct contributions and the taking up of United States loans.

The inception of the American Bankers' Association took place at Philadelphia during the Centennial of 1876, and in all the subsequent years the city has maintained its unbroken prestige for financial solidity and strength, especially during the crisis of 1907.

In the special analyses accompanying the recent discussions before the Federal Reserve Board to determine the location of regional banks, it was shown by official figures that Philadelphia has thirty-two national banks and seventy trust companies, State banks and savings banks. These 102 financial institutions show total working capital of \$203,000,000 and aggregate resources of \$1,065,369,000. In addition were held individual trust funds, kept strictly apart but adding greatly to the financial strength of the city, to the amount of \$856,000,000. Financial settlements made in 1913 through the National Banks of Philadelphia aggregated \$8,523,500,000. In point of financial ability Philadelphia ranks second only to New York in the western hemisphere, and her relative position has been steadily advancing during the last ten years.

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Boro-Carbene is oxide of alumina (Al_2O_3) in crystalline formation. It is produced by fusing Bauxite in the intense heat of the electric furnace, by what is known as the arc process. The richest and best Bauxite deposits of the world are found in southern France, and only the very best Bauxite from these mines is used in the manufacture of Boro-Carbene. Boro-Carbene is the trade name given by the Abrasive Material Company of Philadelphia to their material which is made in France. Boro-Carbene possesses all the desirable qualities required in an abrasive suitable for grinding wheels. Natural abrasives contain a variable percentage of impurities in the form of iron and silica, which decrease their efficiency. This condition does not exist in Boro-Carbene. Bauxite, from which Boro-Carbene is made, was considered infusible until the arc process was adopted in electric furnace work.

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superior in quality, hardness, sharpness, uniformity and temper. The manufacture of Boro-Carbene is under control which enables it to be made uniform in temper. This temper can be varied according to the kind of grinding it is required to do. Its physical formation is such that it leaves sharp cutting points when fractured. Grinding wheels made of this material are used extensively in all kinds of grinding and all classes of work, but are perhaps most satisfactory in grinding material of high tensile strength, such as all kinds and classes of steel.

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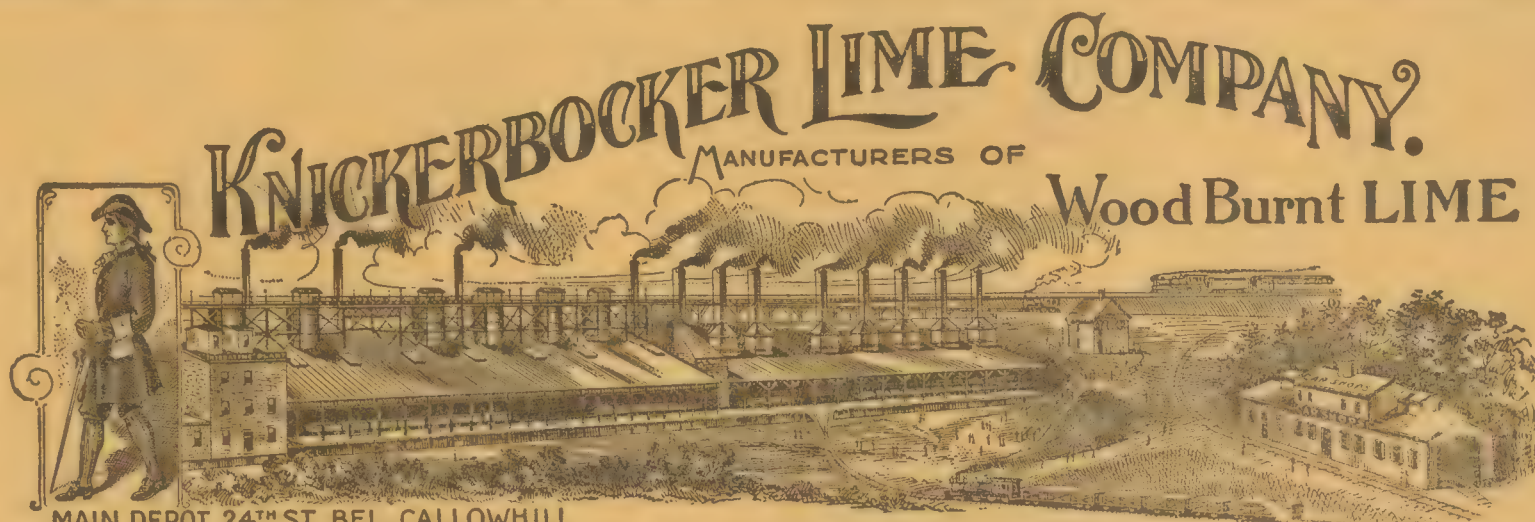
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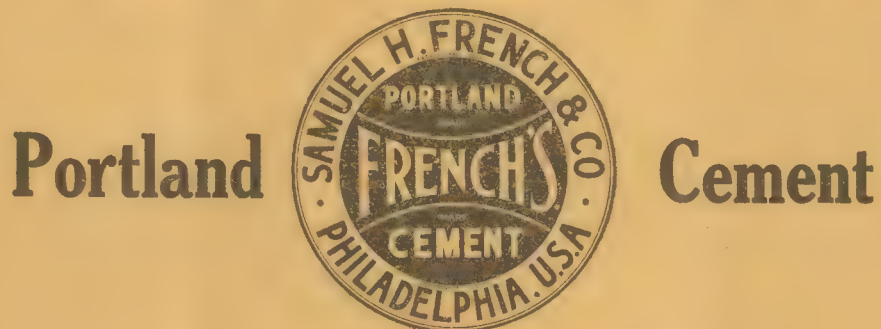
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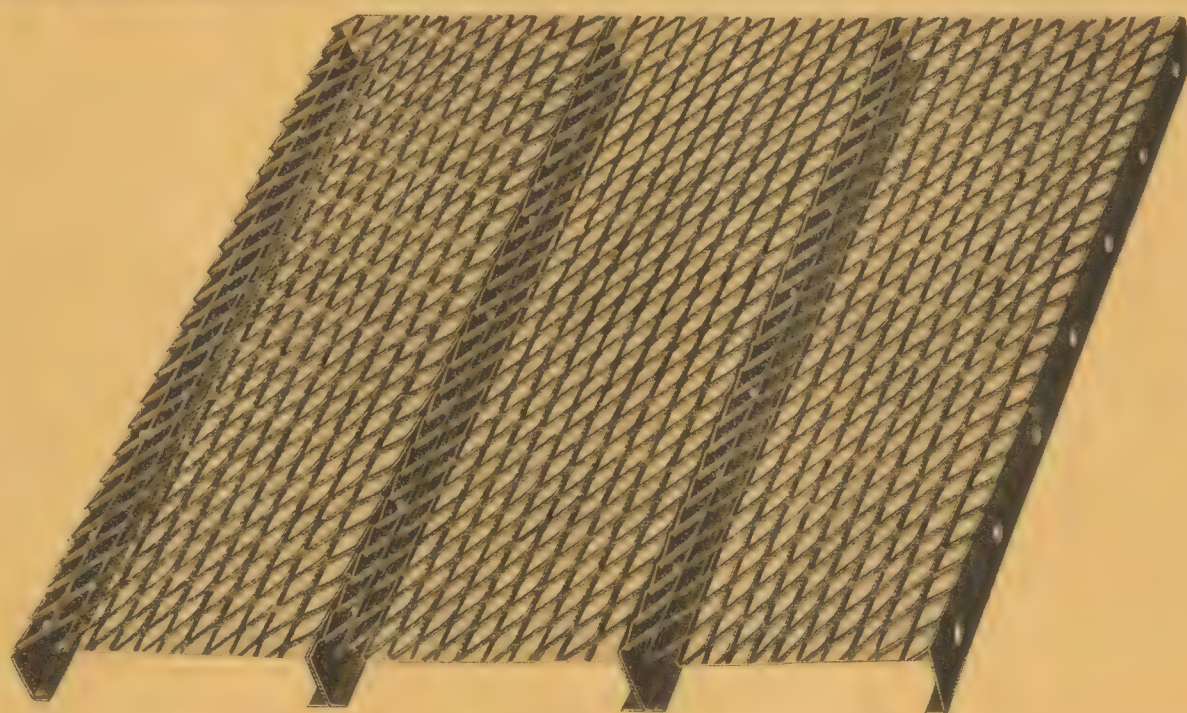
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Vol. XXXI., No. 4.

PHILADELPHIA, WEDNESDAY, JANUARY 26, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Branch Library, Hunting Park and Wayne avenue, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, City of Philadelphia, care of Librarian John Thompson, Thirteenth and Locust streets, Philadelphia. Stone, marble, steel, fireproof, 1 story, 34x38 feet, wing, 34x31 feet, slate and slag roofs, metal lath, waterproofing, marble and tile work, metal lockers, enameled bricks (heating and electric work separate bids). Architect taking bids, due January 31st. The following are figuring: George & Borst, 277 South Eleventh street; H. E. Baton, Twelfth and Sansom streets; F. L. Hoover & Sons, 1023 Cherry street; Pomeroy Construction Co., 1609 Ranstead street; F. W. Van Loon, Denckla Building; F. A. Havens & Co., 845 North Nineteenth street; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Residence, Bonezet street and Cresheim Valley Drive, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Hollow tile, stone and plaster, 2½ stories, 36x41 feet, shingle roof (plumbing, heating and electric work reserved). Architects has received bids.

Residence (alt. to Apartment House), 1734 Mt. Vernon street. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Morris Realty Co., 122 South Thirteenth street, Philadelphia. Consists of general interior alterations, new vapor vacuum heating system, electric lightin, etc. Plans completed. Architect ready for bids.

Picture Theatre, Store and Residence, Seventy-ninth and Eastwick avenue. Architect, H. M. Pedrick, Post Office Building, Darby, Pa. Owner, Leon Silberman, Seventy-second and Woodland avenue, Philadelphia. Brick, 2 stories, 75x99 feet, slag roof, metal lath, tile work, electric lighting (heating reserved). Owner has received bids.

Factory Buildings, Thirty-sixth and Gray's Ferry road. Architect, private plans. Owners, Barrett Manufacturing Co., on premises and 17 Battery Place, New York City. Reinforced concrete and brick, 2 stories, 30x51 feet and 41x50 feet, Barrett roofs, reinforcing

bars, metal sash, steel stairs, fire doors (heating and electric work reserved). Owners taking bids, due January 31st. Henry L. Brown, 1714 Sansom street, is figuring.

Mill Buildings, Reed to Dickinson, Twenty-fifth to Twenty-sixth streets, \$1,000,000. Engineers, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, S. B. & B. W. Fleisher, Eighth and Chestnut streets, Philadelphia. Consists of main building, 400x80 feet; two wings, 376x80 feet each, 5 stories and basement; dye house and power plant, reinforced concrete, concrete roof, metal lath, metal sash, fire equipment, heating and ventilating system. Will cover one entire city block and each floor will average about 100,000 square feet. Plans in progress.

Church, Third and Tabor road. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, Olney Presbyterian Church, Rev. William H. Wells, 222 Tabor road, Philadelphia. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Residence (alts.), 146 West Walnut lane, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, A. Firth, care of architects. Stone and brick, 2½ stories, canvas roof, warm air heating, electric lighting, oak floors. Architects taking bids, due January 26th. The following are figuring: I. A. Dunkelberger, 71 East Herman street; William H. Eddleman & Son, 453 Green lane, Roxborough; Fred Elvidge & Son, 5522 Germantown avenue; William J. Gruhler & Co., 219 East High street.

Residences (144) and 8 Basement Garages, Chester avenue, Springfield avenue and Trinity street, from Fifty-ninth to Sixtieth sts. Architect, private plans. Owner, Samuel Fineman, 223 South Sixth street, Philadelphia. Brick, 2 stories, 15x49 feet and 15x52 feet, slag roofs, hot water heating, electric lighting, parquetry floors. Owner is ready for sub-bids on all lines.

Store and Residence, 1979 Hunting Park avenue. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, D. Prochenk, care of architect. Brick and stone, 2 stories, 16x65 feet, slag roof, hot water heat-

ing, electric lighting, hardwood floors, tile work, marble work. Plans about completed. Architect ready for bids in a few days.

Store Building (alts.), 1203 Filbert street, Philadelphia. Architect, F. T. Uezzell, 1203 Filbert street. Lessee, H. D. Reese, on premises. Brick, 3 stories, consists of general remodeling of meat store, hot water heating, electric lighting, electric elevator, refrigerating plant, refrigerators. Plans about completed. Architect will take bids in a few days.

Factory (add.), Twelfth and Thompson sts., Philadelphia. Engineer, Charles A. Blatchley, Drexel Building, Philadelphia. Owners, Schutte & Koerting Co., on premises. Consists of one additional story to one building. Brick, 80x50 feet, slag roof, steam heating, electric lighting. Plans in progress. Engineer will take bids in about two weeks.

Factory Buildings, Sixth and Tabor road, \$150,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Philadelphia Textile Machinery Co., Hancock and Somerset streets. Main building, concrete, 1 story, 261x152 feet; power house, brick and steel, 1 story, 42x34 feet; office building, concrete, 2 stories, 112x33 feet, slag roof, steam heating electric lighting. Plans in progress. Engineers will take sub-bids.

Residences (53), Fisher's avenue, west of Fourth street. Architect, private plans. Owner, A. Shotz, 1839 South Fourth street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heating, gas lighting. Ready for sub-bids.

Office Building, northwest corner of Sixteenth and Sansom streets, Philadelphia, \$150,000. Architects, Mellvain & Roberts, Land Title Building, Philadelphia. Owners, Mellvain & Co., Land Title Building, Philadelphia. Reinforced concrete, brick and limestone, 12 stories, 65x80 feet, composition roof, steam heating, electric lighting, tile and marble work, elevators. Plans in progress. Builders, Metzger & Fisher, Denckla Building, will take sub-bids in about one month.

Hotel, Central Philadelphia, \$800,000. Architect, Frederick Webber, Morris Building, Philadelphia. Owner's name withheld. Gran-

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ite base and limestone, 15 stories, 48x168 feet, composition roof, steam heating, electric lighting, tile and marble work, concrete fireproofing, metal lath, ornamental iron, elevators. Architect taking sub-bids, due January 22nd.

Church and Sunday School, Thirteenth and Rockland streets, Philadelphia, \$40,000. Architects, Neff & Thames, Heed Building, Philadelphia. Owners, Bishop Foss M. E. Church, Rev. Richard Turner, 5319 North Thirteenth street, Philadelphia. Stone, 1 story, 100x125 feet, slate roof, steam heating, electric lighting. Architects taking bids, due February 2nd. The following are figuring: Barnes Bros., 1449 Loudon street; William H. George, 4225 North Fifteenth street; Thomas C. Trafford, 1613 Sansom street; F. E. Wallace, 1220 Chancellor street; Joseph Bird Co., 213 North Eleventh street; E. E. Hollenback, Fifteenth and Race streets; A. R. Raff, 1635 Thompson street; Specht & Sperry, Heed Building; H. E. Baton, Twelfth and Sansom streets; Frank G. Stewart, 1619 Sansom street, Philadelphia.

Store Building, 5531 and 33 Germantown avenue, Philadelphia. Architect, private plans. Owner, Angelo Pasquarello, 4908 Wayne avenue, and M. Meriano, Twenty-first and Market streets, Philadelphia. Brick, 2 stories, 31x100 feet, slag roof, steam heating, electric lighting. Owners taking bids, due January 22nd. H. P. Schneider, 3715 Old York road, is figuring.

Store and Business Building (alts.), 1017 to 1921 Race street. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Barber Hartman & Co., 1201 Chestnut street, Philadelphia. Consists of new store fronts and interior alterations. Brick, 5 stories, fire doors, metal ceilings, elevator, dumb waiters. Architects have received bids.

Factory Building, Germantown and Sedgley avenues, Philadelphia. Architects, William Steele & Sons, 1600 Arch street, Philadelphia. Owners, Air Reduction Co., 50 Broad street, New York City. Brick and concrete, 1 story, 70x100 feet, slag roof, steam heating. Plans in progress. Will take sub-bids in ten days.

Maternity Building, Forty-first and Parrish streets, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, West Philadelphia Hospital for Women, on premises. Brick and reinforced concrete floors, 2 stories, 93x47 feet, Barrett roof, metal lath, metal doors and trimmings, metal lockers, electric elevator terrazzo floors

(heating, plumbing and electric work reserved). Architect has received bids.

Machine Shop, Second and Glenwood avenue. Architects, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Schaum & Uhlinger Co., on premises. Brick and reinforced concrete, 2 stories, 175x126 feet, asbestos roof, fire doors, metal sash, iron stairs, rolling steel doors. Builders, William Steele & Sons Co., 1600 Arch street, Philadelphia, are taking sub-bids.

Garage and Service Building, 329 to 335 South Broad street, Philadelphia. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owners, Pennsylvania Taximeter Cab Co., J. T. Kinsley, general manager, 1407 Locust street, Philadelphia. Reinforced concrete, brick, stone and steel, reproof, 10 stories, 89x150 feet, slag roof metal sash, metal doors fire doors (electric work, plumbing, elevators, sprinklers, oil and gasoline storage systems reserved). Architect has received bids.

Power House, Byberry, Philadelphia, \$60,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Department of Health and Charities, Dr. William Krusen, Director, City Hall, Philadelphia. Brick, 1 story, 59x67 feet and 34x38 feet, slate and slag roof, dampproofing, enameled bricks (heating, plumbing, electric work and power equipment separate bids). Owners taking bids, due February 1st at noon. H. E. Baton, Twelfth and Sansom sts., Philadelphia, is figuring. Plans may be obtained at architect's office.

Club House, Oak Lane, Philadelphia. Architect, William E. Groben, 12 Asbury Terrace, Oak Lane, Philadelphia. Owners, Review Club of Oak Lane, Mrs. E. Clarence Miller, chairman Building Committee, Oak Lane, Philadelphia. Stone and stucco, 1 story, slate roof, hot water heating. Plans in progress.

Residence, Chestnut Hill, Philadelphia, \$15,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner's name withheld. Brick and plaster, $2 1/2$ stories, 32x70 feet, slate roof, warm air heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in about 10 days.

Storage Warehouse, Thirty-eighth and Powelton avenue, Philadelphia. Architects, A. B. Gill & M. Roy Sheen, 1655 North Fifty-sixth street, Philadelphia. Owners, Powelton Storage Co., on premises. Brick, 5 stories, 67x41 feet, slag roof, steam heating, electric light-

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ing, elevator, fire doors, rolling steel doors. Owners taking revised bids, due January 25th. The following are figuring: Stacy Reeves & Sons, 2011 Market street, and Thomas C. Trafford, 1613 Sansom street, are figuring.

Factory Buildings, Thirty-sixth and Gray's road, Philadelphia. Architect, private plans. Owners, Barrett Manufacturing Co., on premises, and 17 Battery Place, New York City. Reinforced concrete and brick, 2 stories, 30x51 feet and 41x50 feet, Barrett roofs, reinforcing bars, metal sash, steel stairs, fire doors (heating and electric work reserved). Owners taking bids, due January 31st. In addition to those previously reported, F. W. an Loon, Denskla Building; Doyle & Co., 1519 Sansom street; Charles McCaul Company, 1713 Sansom street; William Steele & Sons Co., 1600 Arch street; W. W. Lindsay & Co., Harrison Building, all of Philadelphia, are figuring.

Residence, Kitchen's Lane, Germantown, \$25,000. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Charles F. Jenkins, Seventh and Washington Square, Philadelphia. Stone and hollow tile, 2½ stories, 88x36 feet, wing 28x17 feet, shingle roof, metal lath, oak floors, tile work, metal weather strips (heating, plumbing and electric work separate bids). Architects taking bids, due February 3rd. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; George L. Sipps, 912 Locust street; George J. Watson, 905 North Marshall street; Barclay White & Co., Perry Building; Wm. C. Wright, 22 Harvey street; Fred Elvidge & Son, 5522 Germantown avenue, all of Philadelphia.

Store Front, 1019 South Nineteenth street, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Michael Martino, on premises. Consists of new bulk windows. Architects have received bids.

Business Building, northwest corner of Fifteenth and Walnut streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick, terra cotta and reinforced concrete, fireproof, 4 stories, slag roof, steam heating, electric lighting, tile work, elevator. Plans in progress.

Residences (13), Sixty-second and Pine sts., Philadelphia. Architect, Durham Bros., Heed Building, Philadelphia. Owners, Schlosberg & Cohen, 445 North Fifty-second street, Philadelphia. Brick, 2 stories, 15x40 feet each, slag roofs, hot water heating, electric lighting, oak floors, tile work. Owners taking sub-bids.

Garage and Machine Shop (add.), 4505-07 North Broad street, Philadelphia. Architect, private plans. Owner, Morris Gibb, on premises. Brick, consists of additional story, slag roof, steam heating, electric lighting, elevator. Builders, Stewart Bros., 2526 North Orkney street, taking sub-bids.

Power House, Byberry, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Department of Health and Charities, City Hall. Brick, concrete and steel, 1 story, concrete floors (electric lighting, heating and plumbing separate bids. Owners taking bids, due February 1st at noon. In addition to those previously reported, W. W. Anstine & Co., 1218 Filbert street; Fidelity Construction Co., Heed Building; Thomas Reilly, 1616 Thompson street; Mitchell Bros., 2125 Race street; H. H. Wehmeyer, 1004 Lehigh avenue; D. J. Lynch, 4127 Mantua avenue; Charles J. Appleton, Heed Building, and Frank G. Stewart, 1619 Sansom street, are figuring.

Studio and Apartments, Sixty-second and City avenue. Architect, Robert Rodes McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Aram K. Jerrehian, 1609 Sansom street, Philadelphia. Brick, 3 stories, 85x100 feet, steam heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in about one month.

High School, Coral and Cumberland streets, \$500,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall, Philadelphia. Brick, terra cotta, reinforced concrete floors, fireproof, 3 stories, 125x320 feet, copper, tile and composition roof, oak and maple floors, composition flooring, tile, marble and terrazzo work, steel sash, steel stairs, glazed bricks, waterproofing, metal lath, metal weather strips (heating, plumbing and electric work separate bids. Owners taking bids, due February 3rd at 1.30 P. M. The following are figuring: Cramp & Co., Denekla Building; W. Beaumont, Stephen Girard Building; E. F. Fonder, Land Title Building; Melody & Keating, Bailey Building; Thomas Reilly, 1616 Thompson street; Henry L. Brown, 1714 Sansom street, all of Philadelphia.

Parish House, Willow Grove avenue and St. Martins lane. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, St. Martin-in-the-Feld, Rev. Jacob Le Roy, 8020 St. Martins lane. Stone, 2½ stories. Details not decided. Plans in progress.

Residence (alt. to Apartment House), 1734 Mt. Vernon street. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Morris Realty Co., 122 South Thirteenth street, Philadelphia. Consists of general interior alterations, new vapor vacuum heating system, electric lighting, etc. Architect taking bids, due February 3rd. The following are figuring: M. Black, 619 Pine street; Marginn & Co., 4214 Powelton avenue; Murphy & Co., 261 South Tenth street; J. P. Walters, 1233 Olive street; M. Yellin, 112 North Franklin street; S. Barnett & Son, Drexel Building; Samuel L. Luff, 1821 Fairmount avenue, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory, Jasper and Ontario streets, Philadelphia, \$28,000. Architect, private plans. Owners, Bush & Terry, Jasper and Thayer streets, Philadelphia. Brick, 4 stories, 60x140 feet, slag roof, steam heating, electric lighting. Contract awarded to Robert Beatty & Bro., 2321 East Fletcher street.

Warehouse, 244 to 248 North Third street, Philadelphia, \$30,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Cover & Co., 349 North Third street, Philadelphia. Brick and terra cotta, rein-

forced concrete floors, 6 stories, 51x61 feet, Carey's roof, reinforcing bars, tile work, maple floors (heating and electric work reserved). Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Factory Building, Unity and Elizabeth sts., Philadelphia, \$5,000. Architect, private plans. Owners, Peerless Bleach Works, on premises. Brick, 2 stories, 32x60 feet, slag roof, steam heating, electric lighting. Contract awarded to George H. Thirsk, 3851 Frankford avenue.

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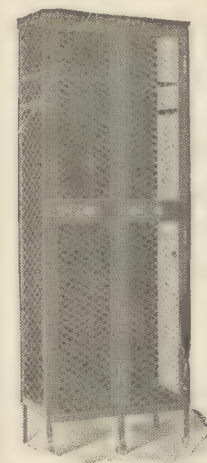
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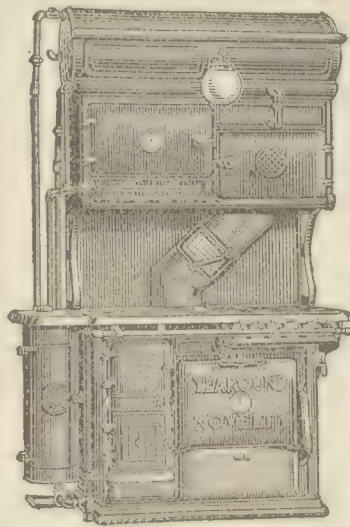
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Twenty-ninth street, Philadelphia. Architects, Neubauer & Boyd, 1116 Chestnut street, Philadelphia. Owner, W. Morris, care of architects. Brick, 2 stories, consists of general alterations. Contract awarded to J. Benamy, 3042 West York street.

Factory Building, Tacony and Lewis streets,

\$1,800. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owners, John Illingworth Steel Co., on premises. Frame, 1 story, 144x60 feet, slag roof (plumbing and electric work reserved). Contract awarded Joseph R. Dickinson, 4139 Orchard street, Philadelphia.

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School, Mahanoy City, Pa., \$75,000. Architect, Clyde S. Adams, 1309 Arch street, Philadelphia. Owners, Board of Education, Mahanoy City, Pa. Frame, 2 stories, 120x100 feet, asbestos or slag roof, steel sash, enameled bricks, tile and marble work, metal lath, kalamein doors, safety treads, maple and composition floors, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due January 31st at 8 P. M. The following are figuring: James P. Farrell & Co., 1619 Sansom street; Charles D. Burns, Drexel Building; Peoples Bros., Commercial Trust Building; E. J. Kretzberg, 1345 Arch street, all of Philadelphia; Andrew Breslin, Summit Hill, Pa.; Beard Construction Co., Reading, Pa.; Hyde Murphy Co., Ridgway, Pa.; John J. O'Hearn, Shenandoah, Pa.; H. J. Wenzelberger, Phillipsburg, N. J.; Frymier Hanna Co., 25 West Forty-fifth street, New York City; Shamokin Lumber Co., Shamokin, Pa.; J. F. Barnhardt, Harrisburg, Pa.; Jacob Nagle, Allentown, Pa., and George Keefe, Mt. Carmel, Pa.

Residence, Ardmore, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Robley A. Warner, Ardmore, Pa. Stone and plaster, 2½ stories, 25x46 feet, shingle roof, hot water heating, electric lighting, tile work oak floors. Plans in progress. Architect will take bids in about one week.

Residence, Drexel Hill, Pa. Architect, Edwin Bowden, Drexel Hill, Pa. Owner's name withheld. Stone and plaster, 2½ stories, 40x26 feet, shingle roof, hot water heating, electric lighting, tile work, parquet floors. Architect taking bids, due January 22nd. Standard Construction Co., Drexel Building, Philadelphia, is figuring (only bidder).

School Building, Marcus Hook, Pa., \$35,000.

Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slag roof (steam heating, electric lighting and plumbing separate bids), slate blackboards, metal lath. Owner taking revised bids, due January 31st at 5 P. M. In addition to those previously reported, James Connor, 1317 Arch street, Philadelphia, is figuring.

Hospital (add.), Abington, Pa. Architects, Bissell, Sinkler & Tilden, Bailey Building, Philadelphia. Owners, Abington Memorial Hospital, Abington, Pa. Brick and steel, fireproof. Nurses' Home, 3 stories, 95x45 feet; power house, laundry and garage, 2 stories, slate roofs, steam heating, electric lighting. Plans in progress. Architects will take bids in about three weeks.

Residence, Pennlyn, Pa. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, R. Sturgis Ingersoll, 916 Clinton street, Philadelphia. Stone, 2½ stories, 72x54 feet, shingle roof, hot air heating, electric lighting, hardwood floors, tile work. Architects taking bids, due January 31st. The following are figuring: J. J. Murphy & Co., 1139 South Wilton street; Thomas Little & Son, 1713 Moravian street, Philadelphia; Harry N. Biehn, Quakertown, Pa.; George W. Frankenfield, Ambler, Pa.; Walter Shaeff, Blue Bell, Pa.

Residence and Garage, Haverford, Pa., \$20,000. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, Earle Mendenhall, 1338 Chestnut street, Philadelphia. Stone, timber and rough cast, 2½ stories, hot water heating, electric lighting, hardwood floors, tile work. Plans about com-

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pleted. Architects will take sub-bids in about two weeks.

Residence, Lansdowne, Pa. Architect, Thomas M. Kellogg, 1012 Walnut street, Philadelphia. Owner, Walter Rhoads White, Lansdowne, Pa. Frame and plaster, 2½ stories, 34x25 feet, shingle roof (heating and electric work reserved). Architect taking bids, due January 24th. The following are figuring: H. E. Grau Co., 1707 Sansom street; Smith-Hardican Co., 1606 Cherry street, Philadelphia; J. Howard Roberts, Lansdowne, Pa.; J. K. Ingram, Lansdowne, Pa., and J. W. Meckert, Ridley Park, Pa.

Bank Building, Williamsport, Pa. Architects, Mowbray & Uffinger, 56 Liberty street, New York City. Owners, West Side National Bank, Williamsport, Pa. Granite and terra cotta, 1½ stories, 93x52 feet, composition roof, steam heating, electric lighting, marble work, hollow tile and concrete fireproofing, metal sash, metal lath, waterproofing. Architects have received bids.

Residence, Penfield, Pa., \$6,500. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, Peter Ehlers, 3227 North Seventeenth street, Philadelphia. Hollow tile and plaster, 2½ stories, 39x48 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Architects taking sub-bids, due January 22nd.

Residence, Watertown, Pa. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, Dr. Frederick Housel, Watertown, Pa. Tapestry brick, 2½ stories, slate roof, hot water heating, electric lighting, oak floors, tile work. Plans about completed. Architects will take bids in one week.

Auto Body Factory, Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, The Autocar Co., Ardmore, Pa. Brick and steel, 3 stories, 150x300 feet. Consists of main building, boiler house and blacksmith shop, slag roofs, reinforcing rods, steel sash, fire doors, dampproofing (plumbing, heating, electric work, power equipment and elevators reserved). Architects have received revised bids.

Silk Preparing Mill, Darby, Pa. Engineers, Willard Case & Co., Whitehall Building, New York City. Owners, Griswold Worsted Co., Darby, Pa. Brick, steel and concrete, 2 stories, 55x297 feet, Barrett roof, safety treads, kalamain doors, metal sash, reinforcing rods (heating, plumbing and electric work reserved). Engineers have received bids.

Residence, Bon Air Farms, Pa. Architect, Richard Gardner, Jr., P. O. Box 76, Bryn Mawr, Pa. Owner, Howard Leedom, Oakmont, Pa. Hollow tile and plaster, 2½ stories, 27x35 feet, slate roof (hot water heating, plumbing

and electric work reserved). Plans completed. Owner ready for bids.

Water Tower, Croyden, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Joseph R. Grundy, Bristol, Pa. Steel and stucco, 33 feet diameter, 115 feet high. Architects taking approximate bids. Barclay White & Co., Perry Building, Philadelphia, are figuring.

Store and Apartments (alt. and add.), Easton, Pa. Architect, J. J. Weitsenfeld, Easton, Pa. Owner, I. B. Hoehman, Easton, Pa. Brick, 3 stories, 30x130 feet, slag roof, steam heating, electric lighting, metal lath. Plans in progress.

Hotel (alt. and add.), Easton, Pa., \$20,000. Architect, E. H. Wenzelberger, Easton, Pa. Owner, Huntington Hotel, John Renwick, proprietor, Easton, Pa. Brick, hollow tile and steel, 2 stories, 45x80 feet, slag roof, vapor heating extension, electric lighting, tile work, metal lath. Plans about completed. Architect will take bids in about ten days.

Office Building (alt. and add.), South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Lehigh Coke Co., South Bethlehem, Pa. Brick, 3 stories, 36x52 feet, slate roof, steam heating, electric lighting. Plans completed. Architect ready for bids.

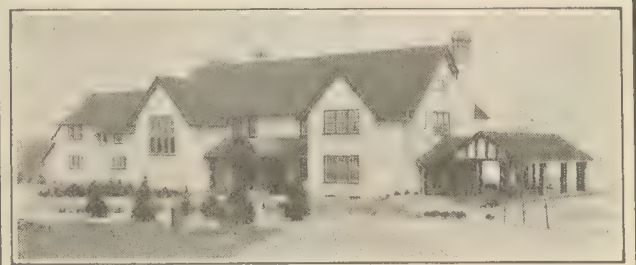
Work Shop, Harrisburg, Pa. Architect, J. A. Dempwolf, York, Pa. Owners, Pennsylvania State Lunatic Hospital, Dr. H. L. Orth, Superintendent, Harrisburg, Pa. Brick, stone and steel, 2 stories. Owners taking bids, due March 7th at noon. Plans may be obtained from architect upon a deposit of \$10.00.

Paper Mill (add.), Chester, Pa. Engineer, George F. Hardy, 309 Broadway, New York City. Owners, Scott Paper Co., Seventh and Glenwood avenue, Philadelphia. Brick, steel and concrete. Details will not be decided for some time. Preliminary plans in progress.

Residence, Cynwyd, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Walter S. Sutherland, Bala, Pa. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Builder, John E. Kearney, 327 North Sixty-third street, Philadelphia, is taking sub-bids.

Garage, Merion, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, William H. Steigerwalt, 1420 Chestnut street, Philadelphia. Stone, 2 stories, hot water heating, electric lighting, cement floors. Builder, John E. Kearney, 327 North Sixty-third street, Philadelphia, is taking sub-bids.

Orphanage (rebuilding), Harrisburg, Pa. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, Sylvan Heights Orphanage, care of Bishop J. W. Shanahan, Harrisburg, Pa. Brick, stone and terra cotta, reinforced concrete floors, 3 stories, slag roof, metal lath, metal sash, terrazzo, tile and mar-



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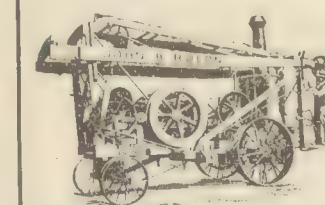
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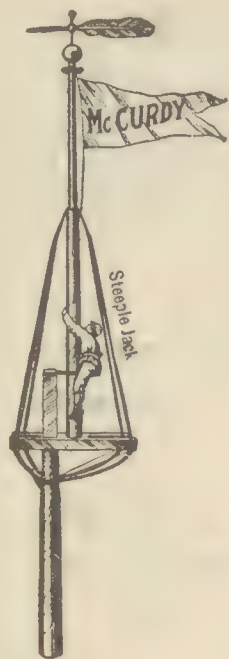
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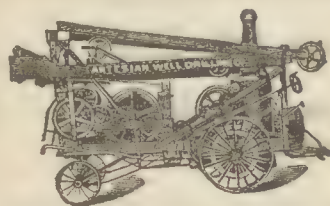
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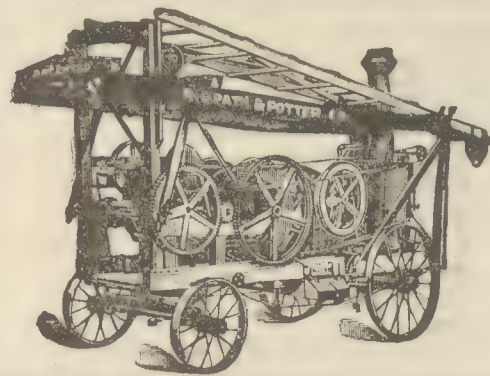
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ble work, iron stairs (heating and electric work, separate bids). Architect taking bids, due February 2nd. The following are figuring: William R. Dougherty, 1610 Sansom street; Monaghan & Loose, 214 South Twelfth street; Melody & Keating, Bailey Building; William J. McShane, 417 South Thirteenth street, Philadelphia; Stapf & Benfer, Harrisburg, Pa., and Augustus Wildman, Harrisburg, Pa.

Residence and Garage, Haverford, Pa., \$50,000. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Mrs. A. Atwater Kent, Rosemont, Pa. Stone, 2½ stories, 43x123 feet; 2 wings, 33x33 feet and 23x38 feet; size of grounds, 10 acres; slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Church and Sunday School (alt. and add.), Moore, Pa. Architect, John D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, Prospect M. E. Church, Moore, Pa. Brick, 1 story, 24x48 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Booth's Corner, Pa. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, A. J. Hance, Jr., Booth's Corner, Pa. Frame, 2 stories, 38x24 feet, shingle roof, hot air heating, electric lighting. Plans in progress.

Church, Belleman, Pa., \$25,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Belleman. Reformed Church, Belleman, Pa. Brick, 58x100 feet, slate roof, hot air heating, metal lath. Plans completed. Architect ready for bids.

Apartment House, Reading, Pa., \$25,000. Architect, William A. Fink, 426 Franklin street, Reading, Pa. Owner's name withheld. Brick and steel, 4 stories, 50x160 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing, hardwood and composition floors. Plans in progress.

Picture Theatre (alts. and add.), Reading, Pa., \$16,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner's name withheld. Brick, 2 stories, 50x125 feet, slag roof, steam heating, electric lighting, metal lath, concrete or composition floors. Plans in progress.

High School, Lehigh, Pa., \$80,000. Architect, E. Z. Scholl, 30 North Sixth street, Reading, Pa. Owners, Board of Education, D. F. Rehrig, secretary, Lehigh, Pa. Stone and marble, 2 stories, 130x120 feet, composition roof, warm air heating, electric lighting, concrete floors, metal lath, dampproofing, slate blackboards. Owners taking revised bids, due February 1st at 7 P. M. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Office Building, Erie, Pa. Architects, Alden & Harlow, 305 Fifth avenue, Pittsburgh, Pa. Owner, Joseph R. Campbell, Erie, Pa. Brick, limestone, granite and steel, reinforced concrete floors, fireproof, 10 stories, 26x100 feet, asbestos roof, steel sash, metal lath, composition flooring, iron stairs, tile and marble work, dampproofing (heating, plumbing, electric lighting, elevators reserved). Architects taking bids, due January 29th. James H. Wells, Heed Building, Philadelphia, is figuring.

Residence, Elkins Park, Pa. Architect, private plans. Owner, Charles F. Yest, 3737 North Bouvier street, Philadelphia. Hollow tile and plaster, 2½ stories, 30x33 feet, green slate roof, tile work (heating, plumbing and electric work reserved). Owner taking bids, due January 29th. James B. Flounders, 1329 Arch street, and Specht & Sperry, Heed Building, are figuring.

Workshop, Harrisburg, Pa. Architect, J. A. Dempwolf, York, Pa. Owners, Pennsylvania State Lunatic Hospital, Dr. H. L. Orth, superintendent, Harrisburg, Pa. Brick and concrete, 1 story, 32x61 feet, slate roof, metal lath (heating, plumbing, electric work separate bids). Owners taking bids, due March 7th at noon. James H. Wells, Heed Building, Philadelphia, is figuring. Plans may be obtained from architects on deposit of \$10.00.

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PENNSYLVANIA

Contracts Awarded

Bridge, White Bear Creek, near Reading, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Reinforced concrete, six spans. Contract awarded to L. H. Focht & Son, Reading, Pa. Waterproofing awarded to C. S. Garrett & Son Co., 20 South Marshall street, Philadelphia.

Residence and Garage, Wawa, Pa., \$60,000. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, George Wood, Wawa, Pa. Stone, 2½ stories, 32x69 feet; wing, 60x23 feet, slate roof, hot water heating, hardwood floors, tile work (heating, plumbing and electric work reserved). Contract awarded to Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Residence and Garage, Drexel Hill, Pa. Architect, E. Kenney Crothers, 5218 Chestnut street, Philadelphia. Owner, F. W. Cassady, Seventeenth and Wharton streets, Philadelphia. Stone, 3 stories, 44x29 feet; wing, 17x12 feet, asbestos shingle or slate roof, hot water heating, electric lighting; garage, 1 story,

stone and hollow tile. Contract awarded to Harry W. Koch, Drexel Hill, Pa.

Kitchen and Laundry Building, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, St. Luke's Hospital, South Bethlehem, Pa. Brick, 2 stories, 22x60 feet and 16x16 feet, slate roof, steam heating, electric lighting, concrete floors. Contract awarded to C. H. Stout & Co., Bethlehem, Pa.

Store (alts), Easton, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, Israel Cohen, Easton, Pa. Consists of new marble front and interior alterations, electric lighting, tile work. Contract awarded to Amandus Steinmetz, Easton, Pa.

Residence (alt. and add.), Wyncote, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Mrs. Henry E. Baltzell, Wyncote, Pa. Stone, brick and rough cast, 2½ stories, shingle roof, oak floors, tile work (heating, plumbing and electric work reserved). Contract awarded to Wolverton & Collins, 7930 Germantown avenue, Philadelphia.

NEW JERSEY

Construction News

Store and Office Building (alts.), Swedesboro, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner's name withheld. Brick, stone trimmings and rough cast, 2 stories, 40x50 feet, slag roof, hot water heating, electric lighting. Plans about completed. Architect will probably sublet all contracts.

Business Building, 532 and 534 Federal street, Camden, N. J., \$12,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Blakley Bros., Camden, N. J. Brick and stone, 3 stories, 35x95 feet, slag roof, steam heating, electric lighting, metal lath. Architects have received bids.

Factory Building, Camden, N. J. Architect, Layton F. Smith, 13 North Charles street, Baltimore, Md. Owners, Farr & Bailey Manufacturing Co., Camden, N. J. Reinforced concrete, 5 stories, 88x92 feet, slag roof, fire escapes, steel sash, reinforcing rods (fire doors, heating, plumbing, electric work, elevator and sprinkler system reserved by owners). Architect has received bids.

Club House, Salem, N. J., \$10,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Royal Order of Moose, Old Oak Lodge, Salem, N. J. Brick, stone trimmings, 2 stories, 30x60 feet, slag roof, steam heating, composition flooring. Plans about completed. Architects will take bids in a few days.

Machine Shop, Gloucester, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, John M. Rogers Works, Inc., Gloucester, N. J. Reinforced concrete, brick and terra cotta, 1 story, 45x122 feet, slag and tile roofs, steel sash, hollow tile, brick vault, wood block floors, steam heating, electric lighting. Architects have received bids.

Residence, Ventnor, N. J. Architect, Robeson L. Perot, 34 South Seventeenth street, Philadelphia. Owner's name withheld. Hollow tile and stucco, 2½ stories, 34x60 feet, slate roof, hot water heating, electric light-

ing, hardwood floors, tile work. Plans in progress.

Apartment House, Atlantic City, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 4 stories, 30x80 feet, composition roof, steam heating, electric lighting, tile work. Plans in progress.

Residences (60), Camden, N. J., \$5,000 each. Architects, Custer & Seltzer, 304 Market st., Camden, N. J. Owners, Guarantee Realty Co., Broadway and Kaighn avenue, Camden. Brick, 2½ stories, slate and slag roofs, hot air heating, gas lighting. Plans in progress.

Siding and Trestle, Camden, N. J. Engineer, private plans. Owners, Camden Pottery Co., Mt. Vernon and Orchard streets, Camden, N. J. Reinforced concrete. Contract awarded to James McGraw Co., Commercial Trust Building, Philadelphia.

Hotel Building, Pinewald, N. J., \$36,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner, George S. Lowere, care of architects. Frame and stucco, 3 stories, 95x62 feet; wing, 40x40 feet, tile roof, steam heating, electric lighting, tile work, metal lath. Architects taking bids, due February 3rd. The following are figuring: Frank Turner, 823 Broadway, Camden, N. J.; H. H. Moore, Spring Lake, N. J.; H. H. Hankins & Bro., Bridgeton, N. J.; W. Beaumont, Stephen Girard Building, and Warren, Moore & Co., Commercial Trust Building, Philadelphia.

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Miscellaneous

Construction News

Apartment Houses (2), Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel Del. Brick, 2 stories, 30x60 feet each, tin roofs, steam heating, electric lighting. Plans in progress.

Stores (alts.), Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Consists of two new store fronts. Plans in progress.

Loft Building, Wilmington, Del., \$55,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner's name withheld. Tapestry bricks, terra cotta, brick and steel, 5 stories, 80x80 feet, tin roof, steam heating, electric lighting, metal lath, metal ceilings, iron stairs, steel sash, fire doors, 2 elevators. Plans in progress.

Picture Theatre (add.), Wilmington, Del. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, M. Toney, Wilmington, Del. Brick and steel, 2 stories, 56x32 feet, slag roof, steam heating, electric lighting, metal ceilings, dampproofing. Architect taking bids, due January 29th.

Residence and Garage, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Richard O. Cooke, Wilmington, Del. Hollow tile, stone and stucco, 2½ stories, 25x45 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work, metal lath, dampproofing. Architects ready for bids.

Bungalow, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, John B. Bird, care of Bancroft & Sons Co., Wilmington, Del. Frame, 1½ stories, 70x28 feet, wings, 45x20 feet and 55x20 feet, shingle roof, hot water heating, electric lighting. Plans completed. Architect ready for bids.

Hotels (2), location withheld. Architect, John D. Thompson, Jr., Ford Building, Wilmington, Del. Owner's name withheld. Brick, stone, terra cotta, concrete and steel, 22 stories, 175x198 feet; brick and steel, 9 stories, 99x60 feet. Plans in progress.

Dairy Building, Wilmington, Del., \$50,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Clover Dairy Co., Wilmington, Del. Reinforced concrete, brick and steel, 2 stories, 68x45 feet, concrete roof, steam heating, electric lighting, metal sash, metal lath, waterproofing and dampproofing. Architect taking bids, due January 28th. Bailey-Lush Co., 201 North Broad street, Philadelphia, is figuring.

Factory Building, Cleveland, Ohio, \$147,000. Architect, Albert E. Kahn, Detroit, Mich. Owners, Briggs Manufacturing Co., Cleveland, Ohio. Brick, concrete and steel, fireproof. Contract awarded to James H. Wells, Heed Building, Philadelphia.

Garage (alt. and add.), Wilmington, Del. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owners, Moore Auto Co., Wilmington, Del. Brick and stucco, 1 story, 30x70 feet, slag roof. Contract awarded to Alfred Downward, 809 Tutnall street, Wilmington, Del.

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MARYLAND Construction News

Office Building, Baltimore, Md., \$1,000,000. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, Public Service Building Co., Lexington and Liberty streets, Baltimore, Md. Brick, stone, terra cotta, concrete and steel, 21 stories, 84x120 feet, asphalt gravel, slate and tile roof, enameled bricks, waterproofing and dampproofing, reinforcing bars, iron stairs, safety treads, metal doors, metal sash, metal lath, vacuum cleaning plant, vacuum heating, tile, marble and terrazzo work (electric work and elevators reserved). Architects have received bids.

Manufacturing Building, Colgates Creek and Baltimore and Sparrow Point R. R. Architect, private plans. Owners, Raymond Concrete Pile Co., Munsey Building, Baltimore, Md. Steel and iron, 1 story. Plans in progress. Too early for details.

Rolling Mill (add.), Fourth avenue and Fifth street, Baltimore, Md. Architect, private plans. Owners, Baltimore Copper Smelting and Rolling Co., Fourth avenue and Fifth street, Baltimore, Md. Consists of 4 new buildings, concrete and brick, steel frame, 1 story, 477x78 feet, 477x78 feet, 220x78 feet, 220x78 feet. Owners are taking bids.

Residence, Linthicum Heights, Baltimore, Md. Architect, Robert L. Harris, 2027 Kennedy avenue, Baltimore. Owner, W. Hampton Linthicum, Linthicum Heights, Baltimore. Brick, 2½ stories, 28x44 feet, slag roof. Architect will take bids in about one week.

Residences (3), Park Hill Place, Baltimore, Md., \$7,000. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore. Owner, H. D. Briant, Park Hill Place, Baltimore. Brick, 2 stories, two 16x54 feet and one 22x38½ feet, combination lighting, steam heating. Plans in progress.

Warehouse (add.), 1110 to 1116 Park avenue, Baltimore, Md. Architect, C. M. Anderson, 324 North Charles street, Baltimore, Md. Owners, Monumental Storage Co., 1110 to 1116 Park avenue, Baltimore. Brick, 6 stories, 70x65 feet, fireproofing, slag roof. Architect taking bids. The following are figuring: Consolidated Engineerin Co., Calvert Building; D. M. Andrews Co., Mt. Vernon avenue and Twenty-sixth street; B. F. Bennett Building Co., 123 South Howard street; Singer-Pentz Co., 600 Equitable Building; A. F. West, 15 East Fayette street; Price Concrete Construction Co., 225 St. Paul street, all of Baltimore, Md.

MARYLAND Contracts Awarded

Building (add.), 132 Fayette street, Baltimore. Architects, Parker, Thomas & Rice Co., Union Trust Building, Baltimore. Owners, Wise Bros., 132 West Fayette street, Baltimore. Reinforced concrete, 6 stories, 45x182 feet. Contract awarded to Price Concrete Const. Co., 235 St. Paul street, Baltimore.

Residence, Worthington Valley, Baltimore. Architect, James R. Edmunds, 12 East Read street, Baltimore, Md. Owner, C. Wilbur Miller, president of Davison Chemical Co., Garrett Building, Baltimore. Brick, 3 stories, slag roof. Contract awarded to Gladfelter & Chambers, 729 Roland avenue, Baltimore.

Storage Building, Highlandtown Branch, Baltimore, Md. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Crown Cork and Seal Co., Guilford avenue and Oliver street, Baltimore. Brick and reinforced concrete, 120x102 feet. Contract awarded to R. B. Mason, 308 West Madison street, Baltimore.

College (add.), Catonsville, Md., \$15,000. Architects, Murphy & Olmstead, 1413 H street, N. W., Washington, D. C. Owners, St. Charles' College, on premises. Consists of new addition. Contract awarded to James J. O'Connor, 427 East Lexington street, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

George F. Gibson, Ja. (O), Fifty-eighth and Pentridge streets. Cost, \$68,500. Twenty-two dwellings, stone and brick, 2 stories, 16x56 feet, Fortieth and Florence avenue.

Bush & Terry (O), J and Thayer streets. Robert Beatty & Bros. (C), 2321 East Fletcher street. Cost, \$28,000. Factory, brick, 4 stories, 60x140 feet, Jasper and Ontario streets.

William G. Isles (O), 1021 Gilham street. Cost, \$4,600. Two dwellings, brick, 2 stories, 14x47 feet, 7311-13 Lawndale avenue.

J. Rotman (O), 1517 East Moyamensing avenue. Cost, \$29,500. Eight dwellings, brick and stone, 2 stories, Tasker and Moyamensing avenue.

John Thomas (O), 1803 South Seventy-fifth

street. Cost, \$2,000. Dwelling, 2 stories, 16x42 feet, Eightieth and Buist avenue.

John Dowling (O), 5930 Beechwood street. Burd P. Evans & Co. (C), Thirteenth and Wallace streets. Cost, \$16,000. Two stores and four dwellings, stone and brick, 3 stories, 20x78 feet, 5025-27 Germantown avenue.

Cover & Co. (O), Third and New streets. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$30,000. Warehouse, Third and New streets.

Peerless Bleach Works (O), Elizabeth and Unity streets. George H. Thirsk (C), 3851 Frankford avenue. Cost, \$5,000. Manufacturing Building, brick, 2 stories, 32x60 feet, Elizabeth and Unity streets.

Alterations and Additions

John F. Betz Estate (O), 1751 North Fifteenth street. Samuel R. Detwiler (C), 1719 North Thirteenth street. Cost, \$1,200. Store and dwelling 929 North Broad street.

Jacob Walton's Sons (O), 1615 Ruan street. P. M. Sax (C), 812 Heed Building. Cost, \$700. Factory, 1615 Ruan street, Frankford.

S. Goldman (O), 503 Girard avenue. P. Savar (C), 718 Snyder avenue. Cost, \$300. Store and dwelling, 713 Girard avenue.

Philadelphia Bank (O), 421 Chestnut street. Horrocks Iron Works (O), 234 North Broad street. Cost, \$1,500. Bank building, 421 Chestnut street.

P. & R. R. Co. (O), Twelfth and Market streets. Cost, \$400. Battery house, Cresson street and Carson street.

Joseph Sagore (O), 1130 Day street. Louis Cohen (O), 922 Orianna street. Cost, \$350. Store and dwelling, 1123 North Howard street.

Anna M. A. Weiss (O), 5907 Haverford avenue. Cost, \$300. Shop and store rooms, Fifty-ninth and Haverford avenue.

General Smelting Co. (O), Bullitt Building. James G. Farrel Co. (C), 1621 Sansom street. Cost, \$950. Smelting Building, Westmoreland and Richmond streets.

C. E. Shedaker (O), Tenth and Lombard streets. Basch & Co. (C), 1426 South Front street. Cost, \$1,800. Store, Eighth and Walnut streets.

J. John Guether (O), 4501 North Seventeenth street. Stocker & Hastings (C), 1320 North Carlisle street. Cost, \$1,000. Store and dwelling, 4501 North Seventeenth street.

M. E. Oldham (O), 1523 Arrott street. Cost, \$450. Garage, 4458 Griscom street.

E. T. Statesbury (O), Drexel Building. Paul J. Essick (C), 1345 Arch street. Cost, \$3,000. Dwelling, 1723 Locust street.

T. Scott Root (O), Somerton, Pa. J. K. Logan (C), Beth Ayres, Pa. Cost, \$435. Dwelling, Bustleton pike and Byberry road.

Robert Freeman (O), 411 South street. A. Kirpichnikoff (C), 1110 North Forty-first street. Cost, \$2,400. Store and dwelling, 411 South street.

George W. Smith & Co. (O), 3907 Powelton avenue. John N. Gill & Co. (C), Heed Building. Cost, \$6,000. Lumber shed, Baring and State streets.

John S. Quade (O), 226 North Sixty-fifth street. Cost, \$3,000. Dwelling, 226 North Sixty-fifth street.

H. W. Genter (O), 2439 North Second street. N. M. Bean (C), 4411 Germantown avenue. Cost, \$500. Dwelling, 2330 Jefferson street.

Pasquale Del Vecchio (O), 808 Christian street. Frank Bilotta (C), Seventh and Christian streets. Cost, \$800. Store and dwelling, 806 and 808 Christian street.

Edwin H. Fitler (O), Tacony and Sanger streets. Charles A. Collier (C), 1370 Gillingham street. Cost, \$3,200. Garage, Tacony and Sanger streets.

Toby Lasco (O), 6135 Woodland avenue. Cost, \$2,000. Store and dwelling, 6119 Woodland avenue. Peter D. Sciascio (C), 928 Tasker street.

Tony Franks (O), 3541 North Ninth street. Cost, \$350. Dwelling, 542 West Rising Sun Lane.

Cunningham Piano Co. (O), Eleventh and Chestnut streets. D. W. O'Dea Co. (C), 5227 North Fifth street. Cost, \$450. Garage, Fifth and Parkside avenue.

Naval Militia of Pennsylvania (O), Parkway Building. Thomas M. Seeds, Jr. (C), 1207 Race street. Cost, \$800. Armory, Broad and Callowhill streets.

J. J. Fitzgerald & Co. (O), 3800 North Second street. William J. Jones (C), 2927 North

Fifth street. Cost, \$450. Wagon house, 3800 North Second street.

Edward Derr (O), 218 East Willow Grove avenue. John E. Walt (C), 204 East Willow Grove avenue. Cost, \$568. Dwelling, 218 East Willow Grove avenue.

William Morris (O), 3214 Ridge avenue. M. J. Benamy (C), 3042 York street. Cost, \$925. Store and dwelling, 2342 North Twenty-ninth street.

Children's Hospital (O), 207 South Twenty-second street. H. B. Coyle Iron Works (C), 622 Filbert street. Cost, \$400. Hospital, 207 South Twenty-second street.

S. Kivialkowski (O), 2701 East Cambria street. John W. Jeinyszeki (C), 3169 Felton street. Cost, \$550. Store and dwelling, 2701 East Cambria street.

Colonel Lee S. Sturris (O). Thornton & Co. (C), 2643 North Hutchinson street. Cost, \$750. Store, 13 North Third street.

Acme Tea Co. (O), Fourth and Willow sts. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$500. Store, 3 stories, 1600 Frankford avenue and 4300 Frankford avenue and Sixty-first and Lombard streets.

Walter H. Ottman (O), 419 South Fifty-second street. Basch & Co. (C), 1436 South Front street. Cost, \$315. Store, 20 North Fifty-second street.

George Vaux, Jr. (O), Bryn Mawr, Pa. James Spear Heating Co. (C), 1823 Market street. Cost, \$720. Apartments, 1704 Arch street.

A. R. Kessler (O), Eleventh and Green sts. Fred A. Meyers (C), 5132 Brown street. Cost, \$300. Garage, Eleventh and Green streets.

Aaron S. Wist (O), 6707 North Eighth st. Cost, \$350. Dwelling, 6707 North Eighth street.

Phosphor Bronze Smelting Co. (O), Twenty-second and Washington avenue. J. M. Smith & Sons (C), 1425 Spring Garden street. Cost, \$700. Factory, Twenty-second and Washington avenue.

Mastbaum Bros. & Fleisher (O), Finance Building. Basch & Co. (C), 1136 South Front street. Cost, \$400. Store, 926 and 928 Market street.

Samuel Rosen (O), Franklin and Poplar streets. Max Kane (C), 871 North Franklin street. Cost, \$375. Store and dwelling,

William Cramp Ship Building Co. (O), Franklin and Poplar streets. Beach and Ball streets. Hoffman Eng. and Cont. Co. (C), Pennsylvania Building. Cost, \$3,500. Storehouse, Cumberland and Richmond streets.

Morris Wecht (O), 237 Fairmount avenue. Cost, \$300. Dwelling, 621 North Franklin street.

Brick Estate (O), 1227 Germantown avenue. C. Fischer (C), 725 Spring Garden st. Cost, \$700. Storage, 1227 Germantown avenue.

G. L. Soloman (O), Eighth and Passyunk avenue. M. Di Sciascio (C), 928 Tasker st. Cost, \$700. Store and dwelling, Eighth and Passyunk avenue.

Rev. John A. Kuggan (O), 842 South Fifty-seventh street. Joseph Price (C), 2048 Rittenhouse street. Cost, \$300. Store, 1206 Chestnut street.

Board of Prison Inspectors (O), Tenth and Reed streets. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$94,000. Prison, Torresdale avenue and Pennypacker Creek.

Otto G. Kuehne (O), Opal and Germantown avenue. Cost, \$700. Store and dwelling, 2273 Gratz street.

Louisa Green (O), 512 South Fifth street. Nathan Rosenzky (C), 520 Dickinson street. Cost, \$600. Dwelling, 1204 Annin street.

Harry Brocklehurst (O), 3621 North Sixth street. Cost, \$1,400. Garage, 3618 North Randolph street.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****A TESTIMONIAL DINNER** was given on Wednesday evening last by George J. Watson, president of the Master Builders' Exchange, at the Union League, to the 100 members who waged a six days' campaign the previous week for 1,000 new members. Prizes were awarded to the five "two men" teams most active in the campaign. Nelson Mayhew was presented with a handsome gold mantel clock by fellow members for his good work in the campaign. Cash prizes aggregating \$300 were distributed among the following: O. W. Ketcham, C. F. Schellenberger, Harold Smith, Charles Kates, James S. Talley, Roy Griffith, John Coghlan, V. C. Trout, Albert McCheeney and A. J. Hammett.

****CLOSING SESSIONS WERE HELD** on Thursday of the eighth annual convention of the Retail Marble and Granite Dealers' Association of Pennsylvania, at the Adelphia. Officers of the association were elected as follows: President, R. H. Koontz, of Greensburg; vice-president, J. M. Gessler, of this city; secretary, A. H. Luckenbill, of Middletown; treasurer, M. H. Curry, of Meadville; sergeant-at-arms, George Detweiler, of Phoenixville; members of Executive Committee, G. W. Caldwell, of Pittsburgh; H. A. Mason, of Erie, and E. E. Shaeffer, of Kittanning.

****CHARLES W. A. VEDITZ**, the United States Commercial Attache in Paris, has sent the following cablegram to the Department of Commerce: "Important semi-official exposition of methods and materials for reconstruction and improvement of houses, factories, farms, highways, public works, villages and cities to be held here, May, June and July next, under the patronage of the President of France, several Cabinet members and the leading engineers, hygienists and business men. The United States is apparently the sole foreign country admitted to participation. The director of the American section, Henry C. Long, No. 5 Opera Square, Paris, whom interested parties should write or cable promptly, can furnish managers and salesmen for exhibitors. Space rates, 80 francs per square meter plus 1 per cent. of exhibitor's sales. One-half rental should accompany request for space, payable Edouard Tijou, Administrateur General, No. 16 Rue Taitbout, Paris."

****P. H. KELLY WAS ELECTED** president of the Master Builders' Association at a meeting at the Continental Hotel. George Biddle, Frank Lines and A. W. Ruth were elected vice-presidents. James Connor was elected secretary and James Beehtel treasurer.

****WHAT IS DESCRIBED AS THE FIRST**

American complete building show will be held in Cleveland, O., February 16 to 26, 1916, under the direction of the Cleveland Chapter, A. I. A., in co-operation with the Cleveland Chamber of Commerce, Art Association, Builders' Exchange and other civic bodies. One of the features of the show will be an architectural competition for a workingman's home to cost not more than \$3,000 complete, exclusive of land and embellishments. There are seven prizes, the first being \$200. The contest is open to all materials. The rules of the competition call for six rooms, with basement under entire house. All drawings must be in by February 1. Instructions regarding the contest may be obtained by applying to the Complete Building Show Co., 356 Leader-News Building, Cleveland.

****PENNSYLVANIA & ATLANTIC SEABOARD HARDWARE ASSOCIATION** will hold its annual convention at Pittsburgh, Pa., February 8-11. The headquarters will be at the William Penn Hotel. W. P. Lewis, Huntington, Pa., secretary.

****McLAURY MARBLE & TILE CORPORATION**, Walnut avenue and East 141st street, New York City, announces that D. H. McLaury is no longer connected with that corporation. This firm was formerly the D. H. McLaury Marble Co. and the McLaury Tile Co.

****LEON S. MOISSEIFF**, consulting engineer, has opened an office at 69 Wall street, New York City, for the general practice of his profession. Mr. Moisseiff was formerly connected with the Department of Bridges of the City of New York as chief of the Division of Design.

****NATIONAL CONFERENCE on Concrete Road Building** will be held at Chicago, Ill., February 15-18, 1916. J. P. Beck, 208 South La Salle street, Chicago, secretary of the Advisory Committee.

****DAVID L. STINE**, architect, announces that his son, Sidney L. Stine, has become associated with him in the practice of architecture and that the business will be conducted hereafter under the firm name of David L. Stine & Son, with offices at 405 Valentine Building, Toledo, Ohio.

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Irving Dillon.....Editor

PHILADELPHIA, PA., January 26, 1916.

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(Organized 1857)

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Editorial Comment

"After reading last week's article on advertising building materials some one asked," says the "Ledger," "'How can a general contractor advertise?' Which, of course, means how he can obtain the right kind of publicity; the kind that will do more than fill advertising space and cost money—in a word, the kind that pulls.

"The principles of advertising are the same whether you are endeavoring to sell books, bricks, or office buildings or seeking to get your name on the architects' lists. The only things that change are the manner and methods of publicity. A general contractor must therefore adopt methods suitable to his own particular business, which, by the way, is decidedly different from any other type of business, and must have its advertising done and copy written by men who understand, in a most comprehensive manner, the details and intricacies of the building trade.

"Then, again, the advertising must be of a twofold nature, inasmuch as its appeal must reach both architects and owners—two different types of men, and in most cases with very little in common so far as their training is concerned.

"To the architect, the builders' advertisement must appeal with such riveting force as to be ever before him. If not in a physical manner, at least mentally it must make a little dent in his mind and 'ring the bell' at the psychological moment when the architect is making up his list of bidders, and the nearer the top of the list the better his chance of always being among the favored few.

"You (Mr. Builder) may say that you already do enough estimating and are now working overtime trying to land jobs. Are you on the lists of all of the prominent architects, the men for whom you would like to estimate? Are you in a position to select the good prospects and avoid the poor ones? In a word, are you competing against men who do the same calibre of work that you are doing, or are you forced out of your class because you are not on the chosen lists? If you cannot answer these questions to your entire satisfaction, then you are ready for serious thought on the question of advertising."

* * *

First concrete results were seen last week of the work of the commission which for two years has been laboring with a plan for creating trade and residential districts in New York, limiting the height of buildings and limiting the area of lots on which buildings may be erected. Their tentative plans have been completed and at a public meeting to be held on February 3 in the rooms of the Merchants Association in the Woolworth Building they will be submitted to all persons who may be interested for discussion and criticism. If any reasonable suggestions are

made for altering the plan such alterations will be made, after which the matter will be placed before the Board of Estimate to be approved by it and made part of the city law. The power to district the city, limit building heights and area of lots occupied by buildings was granted to the Board of Estimate through Charter amendment in 1914.

Of the plan as it stands now its makers say it is only tentative and subject to radical revision if the necessity is shown. Indeed, the members of the commission, eager to meet the views of the great majority of land owners and residents, have laid out a scheme which will be called most conservative by those who judge it from the standpoint of benefit to the whole city though some property owners may feel that their rights are invaded. They, however, are likely to form a small minority.

* * *

In working out its various schemes the sub-committees were in consultation in every borough with many authorities on the subjects considered. Use districts, height districts and area districts are the result. In the use districts, residential districts are those from which business and industry will be excluded. Business districts are those from which objectionable trades and industries and the larger type of factory will be excluded. The remaining portions of the city will be left unrestricted as to use. This will include all areas where an industrial use is anticipated and also certain large areas in the undeveloped sections where either a residential or industrial use may prove the more appropriate, depending largely on future port and terminal developments.

Height districts in five classes are provided, limiting the height of the building at the street line to a varying multiple of the street width. Back of the street wall the height of which is limited by a multiple of the street width, the building may go higher, but not beyond the line formed by the extension of a line drawn from the centre of the street to the limiting height of the street wall.

This will give a much greater freedom of building construction than a flat limitation of height. It will allow any height of building back of the street line that will not interfere with the required angle of light.

* * *

Area districts are in five classes which propose fixing varying percentages of lot that may be covered and corresponding regulations as to courts and yards. The 100 per cent. class is intended chiefly for warehouse, terminal and heavy manufacturing areas for which yard and court requirements would have no particular importance. In the 90 per cent. class buildings other than residential are permitted to cover 100 per cent. for the first two stories and 90 per cent. above. Resi-

dence buildings are, however, restricted to 70 per cent. as provided in the tenement house law.

A 70 per cent. class is intended for sections where the four-story apartment or flat seems an appropriate type. Higher buildings are discouraged by the provision that a five-story apartment may cover but 60 per cent. of the lot and a six-story apartment but 50 per cent. of the last. Even a 50 per cent. limitation will permit the erection of six-story model tenements of the type that has been used in a few instances in Brooklyn.

On business streets in the 70 per cent. class non-residential buildings will be permitted to cover 100 per cent. for the first story and 90 per cent. above the first story.

A 50 per cent. class is intended for sections where the one and two family house, either detached or in rows, seems the appropriate type. It is only applied to the more remote and less accessible areas. On the business streets of the 50 per cent. class, strictly non-residential buildings may occupy 100 per cent. for the first story and 70 per cent. above the first story.

A 30 per cent. class is suggested as appropriate for a few high class villa residence sec-

tions. It is understood to be practically optional; that is the commission will not be inclined to recommend it for any section unless at the request of substantially all the interested owners.

* * *

The Architectural League of New York this year is planning an innovation in the matter of architectural exhibitions. Recognizing the increasing interest in country houses and landscape architecture the Vanderbilt Gallery will be arranged as a formal garden, with plants and flowers, architectural details and sculpture. This will be so carefully arranged and so complete in its artistic effect that the officers of the league have decided to dispense with the annual dinner which, with its necessary tables and other paraphernalia, would injure the beauty of the scene. In place of the annual dinner the members of the league will organize a garden party, with an entertainment, "Souper a la Champetre," and dancing on the greensward. Appropriate music and rustic diversions will carry out the sylvan quality of the festival.

The league will on this occasion depart from its ordinary custom and extend the hospitality of the opening night to ladies.

TWELFTH ANNUAL CONVENTION OF THE AMERICAN CONCRETE INSTITUTE

The Board of Directors of the American Concrete Institute has provisionally established the following program for its twelfth annual convention on February 14 to 17, 1916, at the Auditorium Hotel, Chicago. This program has been prepared in such a way as to give the greatest possible freedom to members wishing to make a study of the exhibits in the Cement Show at the First Infantry Armory and Coliseum, and to attend the sessions of the Second National Conference on Concrete Road Building, which will meet at the Auditorium Hotel on February 15 to 18, 1916; the meetings of the Association of Municipal Building Inspectors at the same place, probably on February 14 and 15; and the meetings of the American Concrete Pipe Association, about the same date.

This combination of opportunities for inspection of exhibits, for attendance at gatherings of specialists, and for personal intercourse with a great number of men engaged in extending the use and improving the quality of concrete will prove of the highest importance. Everybody really interested in concrete will be repaid for attending the convention.

The program of the convention is unusually full, and some of the papers and committee reports relate to subjects on which there is a wide range of views at present. The same is true of the programs of other organizations meeting at the same time. It has seemed wise, in view of this prospect for unusual technical activity, not to set aside an evening for a

banquet, such as is often held by the Institute on such occasions, but instead to bring the convention to a close on the afternoon of Thursday, February 17th, and leave the evening free for an informal banquet if the members desire one after their professional work is finished.

PRELIMINARY PROGRAM.

Monday Morning, February 14.

Opening remarks of the President, Leonard C. Wason, President of the Aberthaw Construction Company, Boston.

"Concrete on the Massachusetts State Farm," Arthur J. Maynard, Superintendent of Construction, and Benjamin Baker.

"Relining the Winston Tunnel, Chicago Great Western Railroad," Harold P. Brown, Consulting Engineer, 120 Liberty street, New York.

"Swimming Pools," Edw. D. Boyer, Cement Expert, Atlas Portland Cement Company, New York.

"Durability of Concrete Pipe," J. H. Libberton, Assistant Engineer, Universal Portland Cement Company, Chicago, Ill.

"Novel Features of Concrete Work on the New York Subway," Robert Ridgway, Engineer of Subway Construction, and Ralph E. Goodwin, Junior Engineer, Public Service Commission, New York.

Report of Committee on Nomenclature, chairman, Frank C. Wight, managing editor, "Engineering News," New York.

Monday Evening, February 14.

"Cost Accounting on Concrete Work," Sanford E. Thompson, Newton Highlands, Mass.

"Operation of the New York Workmen's Compensation Law to Date," William C. Archer, Deputy Commissioner in charge of Bureau of Workmen's Compensation, State Industrial Commission, New York, N. Y.

"An Interpretation of the New Standard Contract Documents," H. L. Lewman, President, National Association of Builders' Exchanges, Louisville, Ky.

Report of Committee on Insurance, chairman, J. P. H. Perry, Contract Manager, Turner Construction Company, New York.

Report of Committee on Building Blocks and Cement Products, chairman, Robert F. Havlik, Moosehart, Ill.

Tuesday Morning, February 15.

Report of Committee on Reinforced Concrete and Building Laws, chairman, E. J. Moore, Chief Engineer, Turner Construction Company, New York.

"Requirements of Building Codes for Columns," P. P. Furber, Resident Engineer with C. A. P. Turner, Chicago.

"Design of Concrete Buildings," W. P. Anderson, President, Ferro-Concrete Construction Company, Cincinnati.

"Construction of Flat-Slab Floors." The details of this paper are in the hands of a special committee, which will announce the author later.

Tuesday Evening, February 15.

"Genesis of Reinforced Concrete Construction," Prof. W. K. Hatt, Purdue University, Lafayette, Ind.

"A Further Discussion of the Steel Stresses in Flat-Slab Floors," Prof. H. T. Eddy, 916 S. E. Sixth street, Minneapolis, Minn.

"Design of Foundations for Reinforced Concrete Buildings," Robert W. Boyd, Consulting Engineer, 105 West Fortieth street, New York.

Report of Committee on Fireproofing, chairman, Major John S. Sewell, Gantt's Quarry, Ala.

Report of Committee on Treatment of Concrete Surfaces, chairman, Cloyd M. Chapman, Engineer of Tests, Westinghouse, Church, Kerr & Co., New York.

Wednesday Morning, February 16.

"Tests Showing Continued Deformation under Constant Load," Prof. A. H. Fuller and Prof. C. C. More, University of Washington, Seattle.

"Influence of Temperature on the Strength of Concrete," Prof. A. B. McDaniel, University of Illinois, Urbana, Ill.

"Tests of Reinforced Concrete," Burtis S. Brown, Consulting Engineer, Boston, Mass.

Report of Committee on Reinforced Concrete Highway Bridges and Culverts, chairman, C. B. McCullough, Designing Engineer, Iowa Highway Commission, Ames.

Report of Committee on Sidewalks and Floors, chairman, Lewis R. Ferguson, Engineer, The Cement Association, Philadelphia.

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Business affairs of American Concrete Institute.

Wednesday Afternoon, February 16.

"Difficult Foundation Work on the Bay of Fundy," N. M. Looney, Chief Engineer, American Can Co., New York.

"Forms for Concrete Work," R. A. Sherwin, Resident Engineer, Aberthow Construction Company, New Haven, Conn.

"Concrete Viaducts," Frank L. Raschig, Principal Assistant Engineer, Division of Structures, Department of Public Service, Cincinnati.

"Construction of the Large Concrete Viaducts on the Lackawanna R. R.," C. W. Simpson, Resident Engineer, Lackawanna R. R., Columbia, N. J.

"Tests of Large Concrete Slabs by U. S. Office of Public Roads and Rural Engineering," Earl B. Smith, Associate Mechanical Engineer, Office of Public Roads, Washington.

Report of Committee on Reinforced Concrete Chimneys, chairman, Harrison W. Latta, Engineer, The Cement Association, Philadelphia.

Wednesday Evening, February 16.

Report of Committee on Concrete Roads and Pavements, chairman, A. N. Johnson, Washington, D. C.

"Concrete Foundations for Pavements for Heavy Travel," Clifford Richardson, Consulting Engineer, New York.

"Essential Features for the Successful Construction of Concrete Highways," William M. Acheson, Division Engineer, State Highway Department, Syracuse, N. Y.

"The Construction of the Easton-Allentown Concrete Road," John T. Gephart, Jr., Division Engineer, State Highway Commission, Allentown, Pa.

"The Construction of the Toronto-Hamilton Highway by Day Labor," H. S. Van Acyoc, Chief Engineer, Toronto, Ont.

"The Construction of the Du Pont Concrete Boulevard," Charles Upham, Chief Engineer, Georgetown, Del.

"Special Features in Pavement," R. C. Stubbs, President R. C. Stubbs Company, Dallas, Texas.

Thursday Morning, February 17.

Report of Committee on Concrete Aggregates, chairman, Sanford E. Thompson, Newton Highlands, Mass.

"Tests of Concrete Materials at Cincinnati," Prof. G. M. Braune, University of Cincinnati.

"The Chemistry of Portland Cement," George A. Rankin, Geophysical Laboratory, Carnegie Institute, Washington.

"How Shall a Rational Specification for Gravel Concrete Be Developed?" C. C. Brown, editor "Municipal Engineering," Indianapolis, Ind.

"Tests of Sands at the Structural Materials Research Laboratory," Duff A. Abram, Instructor in charge of Laboratory, Armour Institute, Chicago, Ill.

Thursday Afternoon, February 17.

"The Design of Plain and Reinforced Concrete Sewers," W. W. Horner, Engineer in

Charge of Design of Sewerage and Paving, St. Louis, Mo.

"The Fall River Concrete Conduits," Frederick H. Fay, Consulting Engineer, Boston, Mass.

"Concrete Construction at the Kensico Dam," Wilson Fitch Smith, Division Engineer, Board of Water Supply, Valhalla, N. Y.

"Reconstruction of the Austin Dam," Lamar Lyndon, Consulting Engineer, New York, and Frank S. Taylor, Construction Engineer, Austin, Texas.

"Middleboro Water Tower," George Sampson, Consulting Engineer, Boston.

It is expected that a number of these papers will be printed for distribution before the Convention. Those expecting to take part in the discussion of any paper or report should make that fact known to the Institute at an early date, in order that a copy of the paper or report may be sent to him as soon as it is in type, providing preprinting is practicable.

Members and guests desiring accommodations in the Auditorium Hotel should make their arrangements with its manager, stating that they will attend the Convention of the Institute.

AMERICAN CONCRETE INSTITUTE,
1418 Walnut street, Philadelphia.

ART MUSEUM PLANS NOT A NOVELTY

Drawings and Sketches to the Number of Six Dozen Submitted for the Projected Museum now Shown in Model at the Philadelphia City Hall.

Some of the citizens who hopefully view the model of the proposed Art Museum, on exhibit in the City Hall courtyard, may recall the long-continued promotion of this project that, up to its present initial stage of construction, has cost the city almost a quarter of a million dollars in grading and preparing the site, in paying architects' commissions and in meeting the carrying charges on the bonds floated for the Museum. A full quarter of a century has elapsed since the project received its first big impetus in a movement started by a group of wealthy Philadelphians desirous of having the city provide a suitable and safe gallery for the storage of such collections of paintings and sculpture as it might acquire.

As a result, up to the present time, more than six dozen plans, drawings and sketches for a Municipal Art Museum have been submitted. Nearly fifty thousand dollars has been expended in payment of architects' commissions, although largely for the preparation of what can be called barely more than "tentative" or "preliminary plans." The first and largest group of plans for the Museum was submitted twenty years ago in a prize competition for which Councils appropriated fifteen thousand dollars. At that date it was proposed to place the Museum on Lemon Hill, and all the designs submitted,

sixty-seven in number, were drawn for that site, although some were capable of being adapted to any plot of ground of the required dimensions.

These plans were considered by a notable jury, appointed by the Commissioners of Fairmount Park, the jurors being Professor William R. Ware, of Columbia College; Stanford White, of New York; Daniel H. Burnham, of Chicago, who had recently won great fame as the planner of the Chicago World's Fair; John G. Johnson, Esq., and Joseph M. Wilson, of this city. Over one hundred sketches were embodied in the submissions, some of which outlined elaborate, striking and noble structures of great cost and beauty. The contestants, after the custom of such contests, had signed their drawings with odd titles to conceal their identity from the jurors, who finally selected eight plans as the most meritorious, the winners bearing the titles Keystone, Acropolis, Black Seal, Nike, Maltese Cross, Quantum Meruit, Phi and Proportion. Out of that number, however, but the first three were awarded prizes, an award of six thousand dollars going to Henry Bacon and James Brite, of New York, a three thousand dollar prize being given to Lord, Hewlett and Hull, of New York, and two thousand dollars being awarded to Marcel Perouse de Monchos, of Paris, the originator of one of the most elab-

orate plans. The design awarded the first prize called for a classic structure, rectangular in shape, and covering a site six hundred and twelve feet long and two hundred and seventy-five feet wide.

But all these plans came to naught. Other sites were proposed. Advocates appeared for sites nearer the Girard avenue entrance to the Park. The active promotion of the Parkway produced some who suggested the north side of Arch street, between Fifteenth and Sixteenth streets, as the proper location, and, early in the history of the Parkway, some local architects, who foresaw the advantages of the "Acropolis" provided by Fairmount Hill, pictured the possibilities of the present accepted site. The "prize plans," therefore, were soon discarded and now rest, almost forgotten, in the basement of the City Hall.

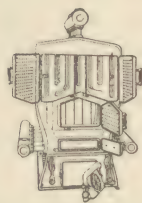
Although the city talked at that time of erecting a six-million-dollar museum, it was not until three years later that Councils, in response to an offer of the Board of City Trusts to donate the Benjamin Franklin Fund of \$158,000 on condition of the city's contribution of a like amount, caused the insertion in one of the loan bills of 1898 of an item of two hundred thousand dollars for an art museum. But one can go even farther back for Councilmanic approval of the project, as in 1871, anticipating the coming Centennial and desirous of providing a safe storage place for some of the city's paintings, Councils passed a resolution calling on the Commissioners of Fairmount Park to suggest a Park site for an art gallery.

The authorization in the loan bill of 1898 was not utilized, however, and because of the city's inaction the Board of City Trusts finally withdrew its offer of the Franklin Fund. Meanwhile the suggestion had been made to extend Memorial Hall by the addition of wings, and steps were taken toward securing plans and estimates for that project. But that also fell through, and the Art Museum loan item remained unnegotiated until near the close of the Reyburn administration, when the progress of the Parkway and the renewed interest in the city beautiful led to the preparation of plans and models for the Museum, in which work William E. Groben, of the Survey Bureau; Professor Paul P. Cret, of the University of Pennsylvania's School of Architecture, and other architects, including Messrs. Zantzinger and Borie, two of the designers of the present model, were interested.

It was not until little more than two years ago that the project reached the stage of actual construction, when the loan fund was transferred to the Park Commission, contracts awarded for grading the site, and a preliminary plan and study of a Museum submitted by Messrs. Trumbauer, Zantzinger and Borie was sent to the Art Jury for consideration, the architects then receiving a fee of thirty-six thousand dollars for their services. Subsequently the "1913 model" of the Art Museum was withdrawn for further revision and the present model, the result of new studies, is now announced as final. With the available loan fund of eight hundred thousand

dollars and the possible inclusion of an item of three million dollars in the next big municipal loan, it is said, if work is started this year, the Museum can be completed by 1918. But if, by any mischance, further delay should ensue, the city will soon be able to liken its frequent preparation of Art Museum plans to the fashion of the automobile trade and prepare itself to receive in time a "1917 model" to displace its latest design.—"Evening Bulletin."

== MILLS ==



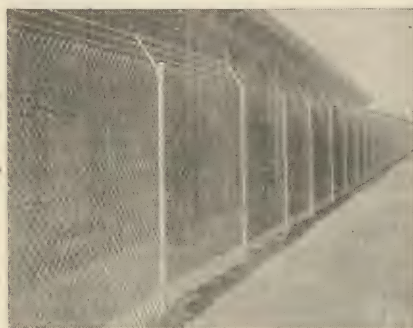
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COMPULSORY SEGREGATION.

Compulsory segregation of the negro through separating his home from that of the white man has recently, as a legislative idea, spread among the Southern cities. Is it sociologically expedient, and is it legal?

Such segregation ordinances are in effect in Baltimore, Louisville, Richmond, Norfolk, Greenville, S. C., and other cities, and some of these have been upheld in local State courts. The Atlanta ordinance of 1913, under which two proceedings had been instituted by negroes to exclude undesirable white neighbors, was obviously drastic in form; it was judicially condemned in February, 1915. The Louisville ordinance makes it unlawful for a person of one color, over formal neighborhood protest in a certain form, to move into a house in any block in which a majority of houses are occupied by persons of the other color.

With respect to vacant blocks, the owners of over 50 per cent. of the frontage may exclude one color or the other.

PREDICTS GOOD ELECTRICAL YEAR.

Frederick M. Shepard, president of Cates & Shepard, electrical and mechanical constructing engineers of this city, and head of the Jovian Electric League, said recently that prospects point to the coming twelve months as being the most prosperous the electrical industry will have experienced in its history in this city. The firm of which he is head has closed contracts for \$50,000 worth of electrical construction work this week.

Among the contracts, which include the erection of engines, generators, motors, etc., were the following: Schmidt Building, 327 Arch street; manufacturing building for Bennett & Aspden Company, upholstery manufacturers, Krams avenue and Pechin street, Manayunk; settlement music school building, Fourth and Queen streets, for Mary Louise Bach; manufacturing building for the Vim Motor Company, Twenty-third and Arch streets, and the John B. Stetson public school, B street and Allegheny avenue.

STATE LUMBERMEN TO CONVENE IN CITY.

Lumbermen from the eastern part of the State are in Philadelphia this week to attend the annual convention of the Pennsylvania Lumbermen's Association, the retailers' organization, to be held in the Hotel Walton January 26 and 27. The morning of the opening day will be devoted to committee meetings, followed by routine business in the afternoon. In the evening there will be an entertainment furnished at the Hotel Adelphia by the Philadelphia Wholesale Lumber Dealers' Association whose committee is made up of J. Randall Williams, Jr., Harry G. Parker, Thomas B. Rutter, Jr., Ben C. Currie and John I. Coulbourne. Thursday morning there will be an open meeting for the presentation of addresses followed by discussion.

The annual dinner of the association will

be served at 1 o'clock on Thursday. This will conclude the convention, but another event has been arranged for the evening, when the Lumbermen's Club, composed entirely of lumber salesmen, of which there are 48 members enrolled, will hold a "get-together" at the roof garden of the Adelphia.

Reports from the eastern counties of the State say business is good, and so reflect conditions in this city, which are described thus in an official publication:

"The mills in the manufacturing sections cannot get all of their lumber carried to points of consumption. Retailers who have stocks in their yards are in a jubilant frame of mind. Others who have stocks ordered are hopeful that freight congestion will be relieved and that they will have a chance to sell while prices are on the upward trend. But the retailer who failed to gauge the needs of his patrons is in a sorry fix, as wholesalers positively refuse to take orders from new customers in these boom times.

Yellow pine and North Carolina pine are still jumping in price and will no doubt go beyond the records established in 1907, before the spring building activity gets under way. The hardwoods are scarce and firm, with many items going upward. Shingles are selling in large volume, while lath is extremely hard to get. Prosperity has been a long time arriving, but every wholesaler, manufacturer, millman, planing mill proprietor and retailer in this city and vicinity is making money just now, the total of profits being in accordance with the amount of lumber on hand for sale. And what adds to the joy is the spirit of confidence that the rush of business is going to continue throughout 1916 whether the European war ends or goes on."

MORTGAGE MONEY.

Money is now coming out in both large and small sums for long-term mortgage loans (three to five years), whereas some months ago would accept only short-term notes. Moreover, so plentiful is the money now available that it can be had oftentimes for well secured loans for 4½ instead of 5 per cent. interest. Vacancies in the midtown business places north of Twenty-third street, and in the residential sections of the West End and Washington Heights have become rare exceptions. There's the money to build with and there also is the demand for more construction.—"New York Real Estate Record."

BUILDINGS OVERMETALLED.

A twelve-story apartment house one hundred feet square requires ten or eleven hundred tons of structural steel in its structure, and a twenty-story office building of the same ground dimensions about twice as much. A tax of 25 cents a ton on fabricated iron and steel would amount to about \$250 increased cost in the one case and \$500 or thereabouts in the other. Architects could save most of it by reducing the weight of the members, as most buildings are more or less overmetalled.—"Real Estate Record."

PREVENTION OF FIRE COMMITTEE MEETS.

The first conference of the Advisory Committee that is working with the State Department of Labor and Industry in studying methods of preventing fires, was held January 18 at the Engineers' Club.

The time was devoted to discussion of reports made upon statutes and ordinances in the various States designed to prevent fires, and upon an interpretation of existing laws in this State covering the same purpose. Frank B. Cliff, an advanced student of Wharton School, University of Pennsylvania, who compiled a report and analysis of these various acts, submitted his report.

He collected his data not only from law reports, but from reports in general, handbooks, pamphlets and publications made by various organizations and institutions. From this matter he classified various standards and submitted them for consideration.

Shippen Lewis, a lawyer of this city, who interpreted existing laws in this State, also was present. His interpretation outlined the points covered by Pennsylvania acts and points still to be covered. The purpose of the meeting was to thoroughly discuss these reports before adopting standards that will be used in the committee's survey of factories and other buildings.

ELECTRICITY AND TREES.

It is a fact worth noting that when an arc light is placed in such a way that a tree will be under its rays all night, the tree inevitably loses its virility and dies. We do not remember having seen this matter discussed, but observation through many years proves it to be true.

Just what the cause is, we are unable to say, unless it lies in the fact that trees, to grow and thrive, must have a certain number of hours' darkness out of each twenty-four. The laws of nature are exactly and evenly balanced. It has been proven that a human being grows only in the daytime, and that trees grow only at night.

In placing arc lights they should always be set as far as possible from trees which the owners desire to preserve. Another argument against placing lights near trees is that the lights attract to that immediate vicinity every specie of bug and fly, and when daylight comes they take refuge in the branches of the tree to deposit their eggs and prey on the vitality of the tree.—"Southwestern Electrician," Houston, Texas.

BIG ELECTRICAL BUSINESS.

As indicative of the enormous demand for electrical equipment and the heavy contracts booked by the large manufacturing companies, an order amounting to \$150,000 for a turbine and accessory equipment from one of the largest corporations in the country has gone begging because delivery could not be made inside of ten months, which would have meant that the machinery would not be in operation much before the end of 1916.

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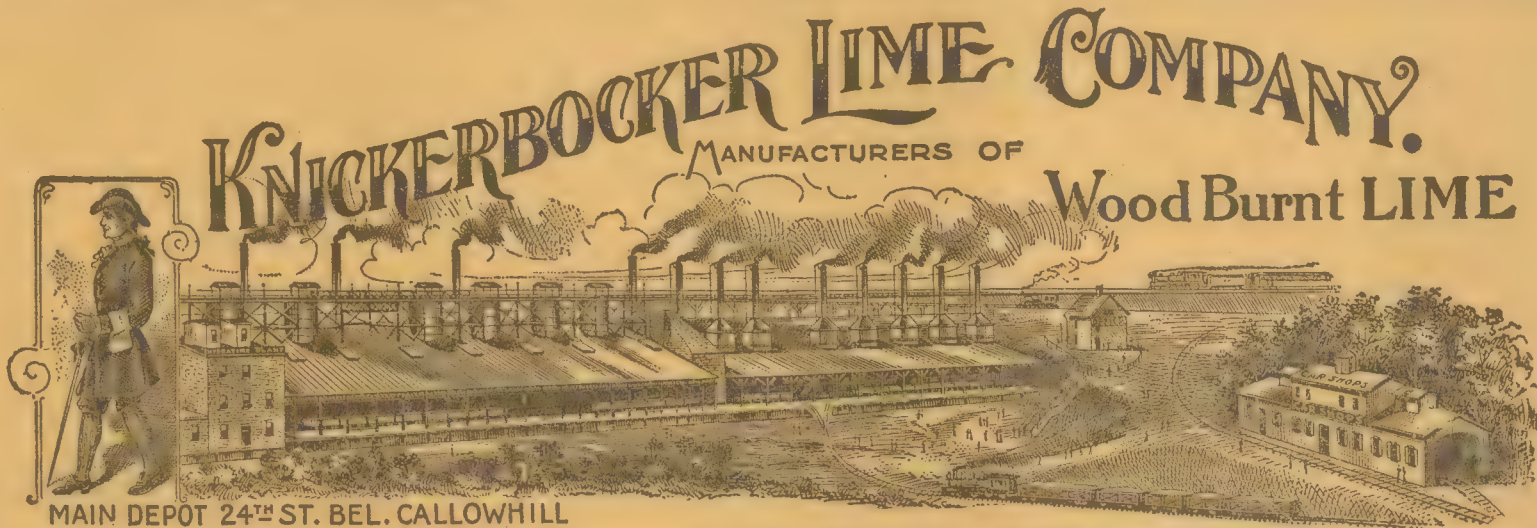
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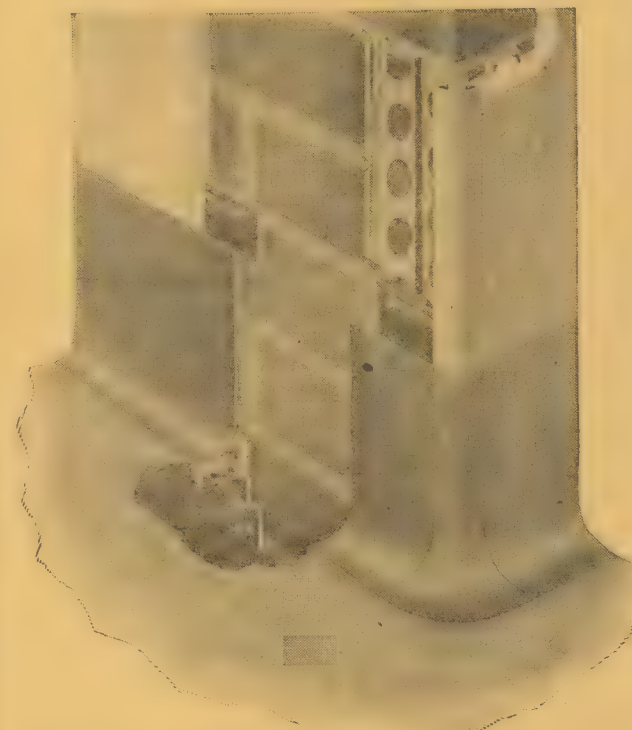
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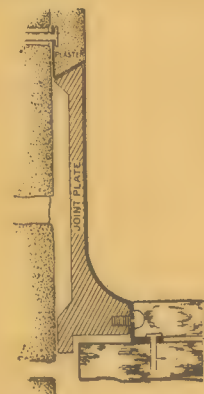


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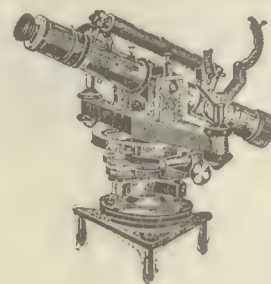
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OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXXI., No. 5.

PHILADELPHIA, WEDNESDAY, FEBRUARY 2, 1916.

Less than One Year
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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store and Dwelling, Fourth and Queen sts., Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick, 3 stories, 16x45 feet, slag roof, hot water heating, electric lighting, tile and marble work. Plans completed. Will take bids in a few days.

Warehouse, 431 Spruce street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owners, Feidelson & Co., 230 and 232 South Darien street, Philadelphia. Brick, 2 stories, 40x102 feet, slag roof, steam heating, electric lighting, cement floors. Plans in progress.

Residence, 311 South Fifth street, Philadelphia, \$6,000. Architect, J. J. Anderson, Drexel Building, Philadelphia. Owner, Dora Stalberg, 1331 South Sixth street, Philadelphia. Brick, 3 stories, slag roof, steam heating, electric lighting. Plans completed. Architect will take sub-bids in a few days.

Residence, Germantown, Philadelphia, \$15,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Wm. M. Longstreth, 230 Chestnut street, Philadelphia. Stone, 2½ stories, 30x70 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Wynnefield, Philadelphia, \$15,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Lee Hall, 5138 Parkside avenue, Philadelphia. Stone and frame, 2½ stories, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in about ten days.

Residences (36), Germantown, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Consolidated Construction Co., Richmond and Eddington streets. Brick, 2 stores, 16x47 feet each, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Owners taking sub-bids.

Residences and Garages (11), Northeast Boulevard, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Frank Schilling, 220 Northeast Boulevard. Brick, 2 stories, 15x42 feet each, hot

water heating, electric lighting, hardwood floors, tile work. Owner taking sub-bids.

High School, Coral and Cumberland streets, \$500,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall. Brick, terra cotta, reinforced concrete floors, fireproof, 3 stories, 125x320 feet, copper, tile and composition roof, oak and maple floors, composition flooring, tile, marble and terrazzo work, steel sash, steel stairs, glazed bricks, waterproofing, metal lath, metal weather strips (heating, plumbing and electric work separate bids). Owners taking bids, due February 3rd at 1.30 P. M. In addition to those previously reported, Turner Concrete Steel Co., 1713 Sansom street; Warren, Moore & Co., Commercial Trust Building, and Peoples Bros., Commercial Trust Building, are figuring.

Residence, Kitchens lane, Germantown, \$25,000. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Charles E. Jenkins, Seventh and Washington Square, Philadelphia. Stone and hollow tile, 2½ stories, 88x36 feet; wing, 28x17 feet; shingle roof, metal lath, oak floors, tile work, metal weather strips (heating, plumbing and electric work separate bids). Architects taking bids, due February 3rd. J. Sims Wilson Co., 1122 Brown street, and William J. Gruhler Co., 219 High street, are figuring, in addition to those previously reported.

Residence and Garage (alt. and add.), 401 West Cheltenham avenue. Architect, Herbert C. Wise, 133 South Fifteenth street, Philadelphia. Owner, Henry Weiner, Jr., Stephen Girard Building, Philadelphia. Stone and brick, 2½ stories, slate and slag roof, tile work, electric lighting, oak floors, composition floors, electric elevator (heating reserved). Architects have received revised bids.

Residences (50), West Chester pike, Pa. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, John H. McClatchy, Land Title Building, Philadelphia. Brick and stone, 2½ stories, slate roofs, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Power House, Byberry, Philadelphia, \$60,000. Architect, Philip H. Johnson, Land Title

Building, Philadelphia. Owners, City of Philadelphia, Department of Health and Charities. Dr. William Krusen, Director, City Hall, Philadelphia. Brick, 1 story, 59x67 feet and 34x38 feet, slate and slag roof, dampproofing, enameled bricks (heating, plumbing and electric work and power equipment separate bids). Owners have received bids.

Residence (alts.), northwest corner Frazier street and Girard avenue. Architect, Wm. C. Klein, Jr., 1519 North Fifty-sixth street, Philadelphia. Owner, Dr. Walter S. Hargett, 5715 Girard avenue, Philadelphia. Brick, 3 stories, tile roof (heating, plumbing and electric work reserved). Architect taking bids, due January 31st. F. B. Davis, 240 North Siteenth street, is figuring.

Apartment House, northeast corner Nineteenth and Walnut streets, Philadelphia, \$1,000,000. Architect, Frederick Webber, Morris Building, Philadelphia. Owner's name withheld. Granite base and limestone and steel, 15 stories, 50x220 feet, composition roof, steam heating, electric lighting, tile and marble work, metal lath, waterproofing, elevators. Architect taking sub-bids on all lines and will award general contract on a commission basis in a few days.

Bank Building, southwest corner Twelfth and Chestnut streets, \$200,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Beneficial Saving Fund Society, on premises. Stone and steel, fireproof, 1 story, 50x145 feet, composition roof, steam heating, electric lighting, tile and marble work, ornamental iron and bronze work, metal lath, concrete floors. Plans about completed. Architect will take bids in about two weeks.

Department Store, 833-35 Market street, Philadelphia, \$100,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Blauners, Inc., 833 Market street, Philadelphia. Brick, marble and terra cotta and steel, 4 stories, 43x200 feet, asphalt roof, vapor vacuum heating, electric lighting, maple floors, tile, marble and mosaic work, kalamain doors, metal sash, iron stairs, metal lath, waterproofing. Architects taking revised bids, due February 4th. The following are figur-

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Sons, 2011 Market street; Frank G. Stewart,
1619 Sansom street, all of Philadelphia, and
Fleischmann Const. Co., 7 West Forty-fifth
street, New York City.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Store and Residence (alts.), 1422 Walnut
street, \$2,500. Architect, private plans. Own-
er, Dr. Alfred L. Elinger, 1 Liberty street,
New York City. Consists of new front and
interior alterations. Contract awarded to
Thomas Little & Son, 1713 Moravian street.

Store and Residence (alts.), 1515 Spring
Garden street, \$1,000. Architect, private
plans. Owner, John L. Earle, on premises.
Consists of new front and interior alterations.
Contract awarded to Frank I. Wintz, 1618
North Twenty-seventh street, Philadelphia.

Factory (alts.), 452 North Twelfth street,
Philadelphia, \$2,000. Architect, private
plans. Owner, W. P. Owens, Eleventh and
Hamilton streets, Philadelphia. Consists of
interior alterations. Contract awarded to
John Duncan, 920 Walnut street, Philadel-
phia.

Garage, Bodine street, near Susquehanna
avenue, Philadelphia. Architect, private plans.
Owners, Dungan, Hood & Co., 240 West Sus-
quehanna avenue. Brick, stone trimmings, 1
story, 50x60 feet, slag roof, cement floors.
Contract awarded to Harry Gill, Jr., 2515 Ger-
mantown avenue, who is taking sub-bids.

Factory (add.), Tioga and Belgrade streets,
Philadelphia. Architect, private plans. Own-
ers, C. F. Simonin's Sons, on premises. Brick
and concrete, 1 story, 50x55 feet, slag roof.
Contract awarded to Harry Gil, Jr., 2515
Germantown avenue, who is taking sub-bids.

Lumber Shed, 1156 Beach street, Philadel-
phia, \$3,000. Architect, private plans. Own-
ers, S. V. Vrooman & Co., 1133 Beach street,
Philadelphia. Frame, 1 story. Contract
awarded to R. J. Molloy, 2316 East Lehigh
avenue, Philadelphia.

Storage Building (alts. and add.), 1218 to
1222 North Thirty-first street, \$2,800. Archi-
tect, private plans. Owners, Philadelphia

Electric Co., Tenth and Chestnut streets.
Brick, 1 story. Contract awarded to Thomas
C. Trafford, 1613 Sansom street.

Residence and Garage, City Line, Overbrook,
Pa. Architect, Horace Trumbauer, Land Title
Building, Philadelphia. Owner, Edward M.
Story, 413 Walnut street, Philadelphia. Stone,
2 1/2 stories, 106x57 feet; wing, 23x44 feet, tile
roof, canvas floor, tile and marble work,
steam heating (electric work and parquetry
floors reserved). Contract awarded to Milton
W. Young, Overbrook, Pa.

Coal Yard, Germantown, Philadelphia, \$7,-
500. Architect, Harry Gordon McMurtrie,
1012 Walnut street, Philadelphia. Owner, Og-
den Peel, Bowman and East Cresson streets,
Philadelphia. Consists of office building,
garage, feed shed and coal pockets. Brick and
concrete, slate and slag roofs, electric light-
ing. Contract awarded to E. E. Hollenback,
Fifteenth and Race streets, Philadelphia.

Store Building, 426-428 Market street, \$11,-
000. Architect, Charles E. Oelschlager, Har-
rison Building, Philadelphia. Owners, Mon-
arch Realty Co., care of Heymann & Bro.,
Widener Building. Brick and terra cotta, 2
stories, 33x113 feet, slag roof, steam heating,
electric lighting, maple floors, elevator, tile
work, metal lath. Contract awarded to E. J.
Kreitzburg, 1345 Arch street, Philadelphia.

Church and Rectory, Twenty-ninth and
Fletcher streets, Philadelphia, \$25,000. Archi-
tects, Street & Stackhouse, Drexel Building,
Philadelphia. Owners, Reformed Episcopal
Church of the Intercession, Rev. George Wor-
rell, 2828 North Twenty-sixth street, Phila-
delphia. Stone, 1 story, 44x70 feet; stone,
2 1/2 stories, 16x56 feet, slate roof (steam heat-
ing, electric lighting and plumbing, separate
bids), tile work. Contract awarded to A. Ray-
mond Raff, 1635 Thompson street.

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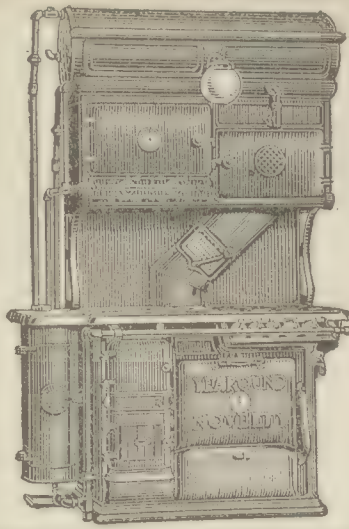
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Store (alts.), Broad and South streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Jacobs Bros., Broad and South streets, Phila-

delphia. Consists of interior alterations. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

PENNSYLVANIA Construction News

Private School, Rydal, Pa., \$150,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ogontz School for Young Ladies, care of Miss A. A. Sutherland, Ogontz, Pa. Stone, 3 stories, 153x45 feet, two wings, 3 stories, 43x223 feet and 43x121 feet, slate roof, steam heating, metal lath, metal lockers, waterproofing and dampproofing, tile and marble work, slate blackboards, reinforced concrete floors, metal doors, fire doors (weather strips, electric work, elevator, laundry equipment reserved). Architect taking bids, due February 7th. The following are figuring: Cramp & Co., Denckla Building; Roydhouse-Arey Co., Fidelity Building; James B. Flounders, 1329 Arch street; H. L. Brown, 1714 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; J. Sims Wilson Co., 1125 Brown street; George F. Payne & Co., 401 South Juniper street; Milton W. Young, Overbrook, Philadelphia; Metzger & Fisher, Denckla Building; Irwin & Leighton, 126 North Twelfth street; A. Raymond Raff, 1635 Thompson street, Philadelphia; E. D. Lever, Abington, Pa.; W. John Stevens, Wynecote, Pa.; Conners Bros. Co., 64 West Eighty-eighth street, New York City.

Stores and Apartments, Eddystone, Pa., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner's name withheld. Brick, 2 stories, 50x100 feet, tin roof, steam heating, electric lighting, metal lath. Plans in progress.

Parochial School, Berwyn, Pa., \$30,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, St. Monica's R. C. Church, Rev. John C. Carey, Berwyn, Pa. Brick and terra cotta, 2 stories, 66x96 feet, Carey's roof, metal lath, concrete and hollow tile reproofing, maple floors, composition flooring, slate blackboards (plumbing, heating and electric work reserved). Architect taking bids, due February 4th. The fol-

owing are figuring: Jacob Myers & Sons Co., Witherspoon Building; William J. McShane, 417 South Thirteenth street, and J. John McShain, 1610 North street, Philadelphia.

Service Building, Scranton, Pa. Architect, Albert Kahn, Detroit, Mich. Owners, Ford Motor Co., Detroit, Mich. Reinforced concrete, brick and terra cotta, 2 stories, 82x180 feet, composition and tile roof, steel sash, metal lath, dampproofing, tile and terrazzo floors (heating, plumbing and electric work reserved). Architect taking revised bids, due February 4th. James H. Wells, Heed Building, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Residence, Watsonstown, Pa., \$10,000. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, Dr. Frederick Housel, Watsonstown, Pa. Tapestry bricks, 2½ stories, 40x30 feet, gray slate roof, hot water heating, electric lighting, oak floors, tile work. Architects taking bids, due February 10th. The following are figuring: Herbert M. Schack, Muncy, Pa.; Kramer Bros., Milton, Pa.; C. L. Waldron, Milton, Pa.; Enoch Miller, Mifflin, Pa.

Residence, Lebanon, Pa., \$10,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, C. O. Bressler, Lebanon, Pa. Frame, 2½ stories, 45x36 feet, shingle roof, electric lighting, oak floors, tile work, dampproofing (heating reserved). Architect taking bids, due February 4th. James P. Farrell & Co., Inc., 1619 Sansom street, Philadelphia, are figuring.

Residence (alts.) and Garage, Glenside, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Dr. C. A. Walter, Glenside, Pa. Stone and frame, 2½ stories, slate roof, electric lighting, hot water heating, tile work. Plans about completed. Architects will take bids in about ten days.

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Residence and Garage, Pocono Manor, Pa. Architects, Morris & Vaux, Crozer Building, Philadelphia. Owner, George Vaux, Jr., Morris Building, Philadelphia. Stone and frame, 2 stories; residence, 18x36 feet; two wings, 20x38 feet each; garage, 26x23 feet each; shingle and canvas roof (heating, plumbing and electric work reserved. Architects have received bids.

Residence (alts.), Strafford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Charles W. Baily, Strafford, Pa. Stone, frame and plaster, 2½ stories, green slate roof, canvas floor, metal lath, reinforced concrete porch floor. Architects taking bids, due January 31st. The following are figuring: F. B. Davis, 240 North Sixteenth street; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia; Gray Bros., Rosemont, Pa.

School Building, Marcus Hook, Pa., \$35,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slag roof (steam heating, electric lighting and pumping separate bids), slate blackboards, metal lath. Owners taking revised bids, due January 31st at 5 P. M. The following are figuring: James P. Farrell & Co., 1619 Sansom street; James Connor, 1317 Arch street; Charles D. Burns, Drexel Building; P. J. Hurley, 1233 Cherry street; F. W. Van Loon, Denckla Building, George Hogg, 1634 Sansom street; McCloskey & Bahls, Hale Building, all of Philadelphia; A. S. Reed & Bro. Co., 815 Shipley street, Wilmington, Del.; W. D. Haddock & Co., 804 Orange street, Wilmington, Del.; J. H. Richardson, Marcus Hook, Pa.; H. Louis Morris, Chester, Pa.

Armory, West Chester, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State Armory Board, care of Major Benj. Demming, Harrisburg, Pa. Brick, stone trimmings, 1 story, slag roof, steam heating, electric lighting, metal lath. Plans about completed. Owners will advertise for bids in about one week.

Lodge Building (alt. and add.), Lancaster, Pa., \$15,000. Architect, M. R. Evans, Lancaster, Pa. Owners, Lancaster P. O. S. of A., Lancaster, Pa. Brick, 3 stories, slag roof, steam heating, electric lighting. Plans in progress.

Garages (3), Lancaster, Pa. Architect, M. R. Evans, Lancaster, Pa. Owner, David Rose, Lancaster, Pa. Brick, 1 story, 36x30 feet, slag roof, hot water heating, electric lighting, concrete floors. Plans in progress.

Church, Eden, Pa., \$12,000. Architect, M. R. Evans, Lancaster, Pa. Owner, Reformed Church, Eden, Pa. Brick, 1½ stories, 90x40

feet, slate roof, steam heating, 2 wings, electric lighting, maple floors. Plans in progress.

Residence, Gap, Pa., \$6,000. Architect, M. R. Evans, Lancaster, Pa. Owner, Dr. Schotes, Gap, Pa. Brick and frame, 2½ stories, 30x28 feet, shingle roof, vapor or hot water heating, electric lighting, tile and hardwood floors. Plans in progress.

Auditorium and Gymnasium, Lancaster, Pa., \$35,000. Architect, M. R. Evans, Lancaster, Pa. Owner, St. Anthony's R. C. Church, Lancaster, Pa. Brick, 2 stories, 60x90 feet, slag roof, steam heating, electric lighting, maple floors, skylights. Plans in progress.

Residence, Lancaster, Pa., \$7,000. Architect, M. R. Evans, Lancaster, Pa. Owner, M. H. Diefenbach, Lancaster, Pa. Hollow tile and stucco, 2½ stories, 28x30 feet, shingle roof, electric lighting, tile and hot water heating. Plans in progress.

Garage, Lancaster, Pa. Architect, Frank J. Everts, 342 Woolworth Building, Lancaster. Owner, H. B. Cochran, Lancaster, Pa. Brick, 1 story, 35x30 feet, tin roof, electric lighting, concrete floors. Plans in progress.

Residence, York, Pa., \$50,000. Architect, Robert A. Stair, York, Pa. Owner, Dr. W. S. Eisen, York, Pa. Hollow tile and stucco, 2½ stories, 34x70 feet. Plans in progress. Details not decided.

Boys' High School, Lancaster, Pa., \$185,000. Architect, C. Emlon Urban, Woolworth Building, Lancaster, Pa. Owners, Board of Education, Lancaster, Pa. Brick, 2½ stories, 150x150 feet, slag roof, maple floors, metal lath, dampproofing (heating, plumbing and electric work separate bids). Owners taking bids, due February 16th. The following are figuring: Herman Wohlsen, L. V. Wright, William H. Flick, D. S. Warfel and J. B. Brennehan, all of Lancaster, Pa., and Dawson Const. Co., of Pittsburgh, Pa.

Church, Sunday School and Parsonage, Wrightsville, Pa., \$25,000. Architect, Edward Lober, York, Pa. Owners, United Evangelical Church, Rev. E. D. Keen, Wrightsville, Pa. Brick and terra cotta, 2 stories, church and Sunday School, 63x94 feet; parsonage, 20x48 feet, slate roofs, steam heating, electric lighting, hardwood floors. Architect taking bids, due February 9th. The following are figuring: George Gilbert, Herr Brothers, Samuel Glatfelter and Luther Menough, all of York, Pa., and G. W. Paules, Columbia, Pa.

Residence, Hazleton, Pa., \$40,000. Architect, Thomas H. Atherton, Coal Exchange Building, Wilkes-Barre. Owner, David Benjamin, Hazleton, Pa. Rough texture brick and hollow tile, 3 stories, 49x99 feet, slate roof, steam heating, electric lighting, oak floors, metal lath, metal doors, ventilator, tile work, enameled bricks, iron stairs, composi-



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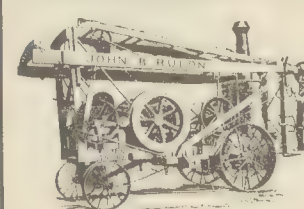
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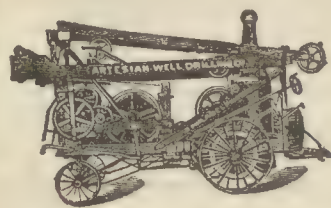
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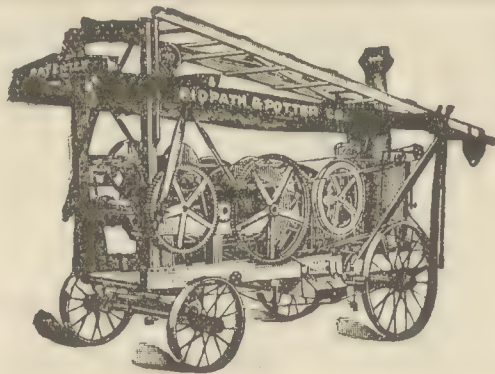
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tion flooring. Architect taking bids, due February 17th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Residence (alt. and add.), Elkins Park, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, S. B. Keffler, Sixth and South streets, Philadelphia. Hollow tile and plaster, 2 stories, slate roof, hot water heating, electric lighting. Architect taking bids, due February 3rd. The following are figuring: Specht & Sperry, Heed Building; James B. Flounders, 1329 Arch street, Philadelphia, and A. G. Sparks, Merion, Pa.

Residence and Garage, near Merion, Pa., \$30,000. Architect, Thomas B. Lippincott, Stephen Girard Building. Owner, W. B. Shepard, Cynwyd, Pa. Hollow tile and plaster, 2½ stories, 23x75 feet, shingle roofs, hot water heating, electric lighting, hardwood floors, tile work. Architect taking revised bids, due as soon as possible. The following are figuring: James B. Flounders, 1329 Arch street; A. L. Fretz & Sons, 1222 Chancellor street; Milton W. Young, Overbrook, Philadelphia; F. B. Davis, 240 North Sixteenth street, Philadelphia.

Church, Sunday School and Manse, Womelsdorf, Pa. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Zion Reformed Church, Rev. D. K. Laudenschlager, Womelsdorf, Pa. Stone, terra cotta trimmings, 1 and 2½ stories, 40x120 feet, slate roof, steam heating, electric lighting. Owners taking bids. The following are figuring: C. H. Schlegel, Reading, Pa.; Daniel H. Hunter, Reading, Pa.; Beard Construction Co., Reading, Pa.; Adam Spatz, Wernersville, Pa.

Store Front, Reading, Pa. Architect, H. H. Bartholomew, Lancaster, Pa. Owners, Bruster Co., Reading, Pa. Architect taking bids, due February 6th. The following are figuring: Beard Construction Co., Charles H.

Schlegel, W. A. Sharp, H. J. Raudenbush, all of Reading, Pa., and Miller Construction Co., Wyomissing, Pa.

Residences (5), Lancaster, Pa., \$22,500. Architect, H. M. Bartholomew, Lancaster, Pa. Owner, H. A. Mettfett, Lancaster, Pa. Brick, 3 stories, 17x62 feet each, tin roofs, hot water heating, electric lighting, tile work. Plans in progress.

Work Shop, Harrisburg, Pa. Architect, J. A. Dempwolf, York, Pa. Owners, Pennsylvania State Lunatic Hospital, Dr. H. L. Orth, superintendent, Harrisburg, Pa. Brick and concrete, 1 story, 32x61 feet, slate roof, metal lath (heating, plumbing, electric work separate bids). Owners taking bids, due March 7th at noon. In addition to those previously reported, Peoples Bros., Commercial Trust Building, and R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia; G. E. Sheffer, Hamburg, Pa.; J. L. Menough & Son, York, Pa.; J. F. Barnhardt & Co., Harrisburg, Pa.; M. L. Grossman, New Cumberland, Pa., are figuring.

Residence and Garage, Wallingford, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, H. E. Marlor, Norwood, Pa. Stone, 2½ stories, 26x65 feet; garage, 1 story, 20x30 feet, tile roof, electric lighting, oak floors, tile work, metal weather strips, gasoline tank and storage system (heating reserved). Architects taking revised bids, due as soon as possible. The following are figuring: James B. Flounders, 1329 Arch street; J. J. Murphy & Co., 1139 South Wilton street; J. Howard Roberts, Lansdowne, Pa.; Flounders Bros., Media, Pa.

Residence (alt. and add.), York, Pa., \$5,000. Architect, Edward Lebor, Hay Building, York, Pa. Owner, John F. Sharp, York, Pa. Brick, 3 stories, 20x90 feet, slag roof, extension steam seating, electric lighting, tile and hardwood floors. Plans in progress.

PENNSYLVANIA

Contracts Awarded

Residence (alt. and add.), Brownsburg, Pa. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, J. due Bois Fetter, Brownsburg, Pa. Stone, 2½ stories. Consists of general interior alterations. Contract awarded to John Ramsay, Ivyland, Pa.

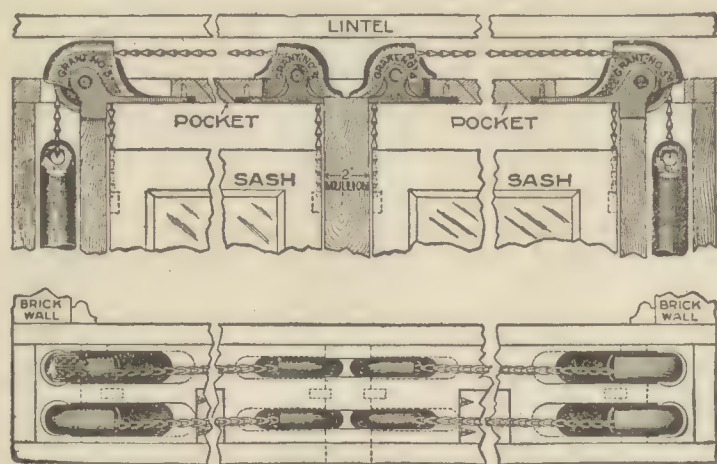
Bank Building, Williamsport, Pa., \$100,000. Architects, Mowbray & Uffinger, 56 Liberty street, New York City. Owners, West Side National Bank, Williamsport, Pa. Granite and terra cotta, 1½ stories, 93x52 feet, composition roof, steam heating, electric lighting, marble work, hollow tile and steam heating, electric lighting, concrete fireproofing, metal sash, metal lath, waterproofing. Contract awarded to Samuel Larrivee, Williamsport, Pa.

Silk Preparing Mill, Darby, Pa. Engineers, Willard Case Co., Whitehall Building, New York City. Owners, Griswold Worsted Co.,

Darby, Pa. Brick, steel and concrete, 2 stories, 55x297 feet, Barrett roof, safety treads, kalamein doors, metal sash, reinforcing rods, (heating, plumbing and electric work reserved). Contract awarded to George & Borst, 277 South Eleventh street, Philadelphia.

Auto Car Body Factory, Ardmore, Pa., \$100,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, The Autocar Co., Ardmore, Pa. Brick and steel, 3 stories, 150x300 feet. Consists of main building, boiler house and blacksmith shop, slag roofs, reinforcing rods, steel sash, fire doors, dampproofing (plumbing, heating and electric work, power equipment and elevators reserved). Contract awarded to Loos & Dothard, Commercial Trust Building, Philadelphia.

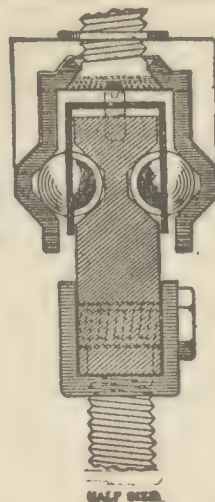
Apartment House, Elkins Park, Pa., \$50,000. Architects, Borzner & Wood, 721 Walnut street, Philadelphia. Owner, E. E. Nick-



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son, Land Title Building, Philadelphia. Hollow tile and plaster, 3 stories, 70x28 feet; wing, 27x40 feet, slate or tile roof, steam heating, electric lighting, oak floors, tile work. Contract awarded to James B. Flounders, 1329 Arch street, Philadelphia.

Residence (alt. and add.), 330 North Duke street, Lancaster, Pa., \$3,000. Architect, J. A. Harman, Lancaster, Pa. Owner, Rev. Geo. Rosenmuller, Lancaster, Pa. Brick, 1 story addition, 22x74 feet, slate and ready roofing, hot water heating, combination lighting. Contract awarded to Roy Clark, Lancaster, Pa.

Store (alt.), York, Pa., \$2,000. Architect, Robert A. Stair, York, Pa. Owners, James McLean & Sons, York, Pa. Consists of interior alterations. Contract awarded to Hess Bros., York, Pa.

Store (alt.), 310 Market street, Harrisburg, Pa. Architect, T. H. Hamilton, Patriot, Har-

risburg, Pa. Owner, William Strouse, Harrisburg, Pa. Store front, show cases, interior mill work, electric lighting, metal ceiling. Contract awarded to W. S. Miller, Harrisburg, Pa.

Retaining Walls, Etc., York, Pa. Architect, C. A. Keyworth, State Capitol, Harrisburg, Pa. Owners, State of Pennsylvania, State Armory Board, Major Benjamin Demming, Harrisburg, Pa. Consists of improvements to Armory grounds, reinforced concrete retaining walls, steps and curbing, galvanized iron guard rails. Contract awarded to Geo. L. Frank, York, Pa.

Residence, Lansdowne, Pa. Architect, Thomas M. Kellogg, 1012 Walnut street, Philadelphia. Owner, Walter Rhoads White, Lansdowne, Pa. Frame and plaster, 2½ stories, 34x25 feet, shingle roof (heating and electric work reserved). Contract awarded to J. M. Meekert, Ridley Park, Pa.

NEW JERSEY

Construction News

Hotel Building, Pinewald, N. J., \$36,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner, George S. Lowere, care of architects. Frame and stucco, 3 stories, 95x62 feet; wing, 40x40 feet, tile roof, steam heating, electric lighting, tile work, metal lath. Architects taking bids, due February 10th. In addition to those previously reported, James H. Wells, Heed Building, Philadelphia, is figuring.

Apartment Houses (2), Atlantic City, N. J., \$100,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owners, Seashore Land Improvement Co., Atlantic City, N. J. Brick, 3 stories, 60x45 feet and 60x40 feet, slag roofs, hot water heating, electric lighting, tile work, metal lath. Plans in progress.

Residence, Ventnor, N. J., \$8,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, Daniel Collins, Atlantic City, N. J. Brick and frame, 3 stories, 26x40 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Store and Residence, Atlantic City, N. J., \$3,500. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, Samuel Martini, Atlantic City, N. J. Brick, 2 stories, 17x60 feet, slag roof, hot water heating, electric lighting, tile work. Plans in progress.

Apartment House, Atlantic City, N. J., \$25,000. Architect, Bertram Ireland, Guarantee

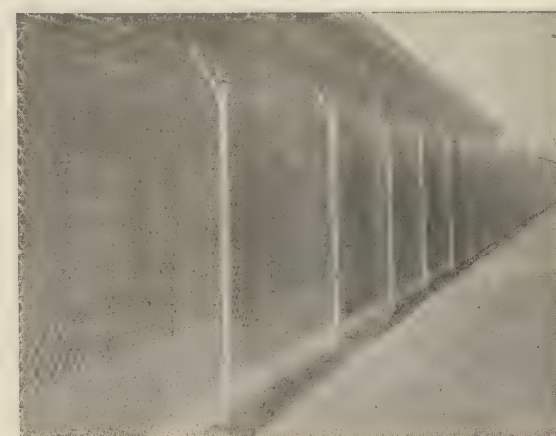
Trust Building, Atlantic City. Owner, Samuel Comly, Atlantic and South Iowa avenues, Atlantic City. Brick, stone, terra cotta, reinforced concrete and steel, 4 stories, 45x100 feet, slag roof, hot water heating, electric lighting, tile work, metal lath, dampproofing, elevator. Plans about completed. Architect will take bids in a few days.

Residence, Ventnor, N. J., \$5,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, James A. Grist, 38 North Connecticut avenue, Atlantic City. Brick, 2½ stories, 18x40 feet, slag roof, hot water heating. Plans completed. Architect ready for bids.

Bungalow, Ventnor, N. J., \$4,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, John C. Grun, Ventnor, N. J. Frame, 1½ stories, 33x40 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Church and Sunday School, Bridgeton, N. J., \$30,000. Architect, George E. Savage, Witherpoon Building, Philadelphia. Owners, Wesley Memorial M. E. Church, Rev. George W. Abel, Bridgeton, N. J. Stone, 1 and 2 stories, slate roof, steam heating, electric lighting. Owners taking bids, due February 7th. The following are figuring: George Maier & Bro., H. H. Hankins and Grosseup & Son, all of Bridgeton, N. J.

Hospital Building, Spring Lake, N. J. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, May Memorial



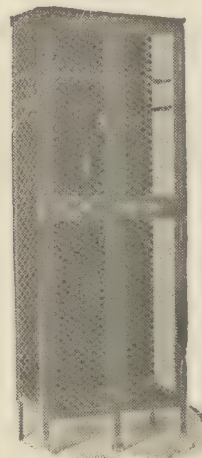
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Hospital, Spring Lake, N. J. Brick, stone trimmings, 2 stories, 40x100 feet and 40x50 feet, steam heating, electric lighting, tile and marble work, metal lath. Plans in progress.

Club House, Atlantic City, N. J., \$8,000. Architects, Stout & Riebenack, Guarantee Trust Building. Owners, Loyal Order of Moose, Atlantic City, N. J. Brick, 2 stories, 34x50 feet, slag roof, steam heating, electric lighting, metal lath. Plans in progress.

Apartment House, Atlantic City, N. J., \$70,000. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City. Owner, Isaac Aaron, 271 South Connecticut avenue, Atlantic City, N. J. Brick, stone and steel, 4 stories, 100x100 feet, slag roof, steam heating, electric lighting, metal lath, elevator, ornamental iron, tile work, composition flooring. Architect about ready for bids.

Residence (alt. and add.), Haddonfield, N. J. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, John W. Croft, 227 South Sixth street, Camden, N. J. Brick, 2½ stories, shingle and canvas roof, hot water heating, electric lighting, oak floors, tile work, metal lath, waterproofing and damp-proofing. Architect has received bids.

Picture Theatre and Offices (alts.), Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owners, St. Regis Corporation, care of William J. Vernon, Stephen Girard Building, Philadelphia. Consists of new front and alterations to offices on second and third floors, mill work, electric lighting. Architects taking bids.

Store Building (alts.), Bridgeton, N. J. Architects, Custer & Seltzer, 304 Market st., Camden, N. J. Owner, D. Garfield, Bridgeton, N. J. Consists of remodeling of interior. Plans in progress.

Store (5) (alts.), Salem, N. J. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Paul Erhardt, Salem, N. J. Consists of 5 new store fronts and general interior alterations. Plans in progress.

Store and Apartments, Bridgeton, N. J., \$25,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Richard R. Miller, Bridgeton, N. J. Brick, 3 stories, 70x48 feet, slag roof, hot water heating, elec-

tric lighting, composition floors. Plans in progress.

Club House, Salem, N. J., \$10,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Loyal Order of Moose, Old Oak Lodge, Salem, N. J. Brick, stone trimmings, 2 stories, 30x60 feet, slag roof, steam heating, electric lighting, composition floors, shower baths. Architects taking bids, due February 7th. The following are figuring: Edward Steelman, John Sutton and Robert Brander, all of Salem, N. J.

Residence, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Dr. Marvin A. Street, 300 Broadway, Camden, N. J. Frame, 2½ stories, 25x65 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in about one week.

Factory Building, Trenton, N. J., \$75,000. Architect, private plans. Owners, Ajax-Grieb Rubber Co., Brewing avenue, Trenton. Brick and steel, 1 and 3 stories, 60x350 feet, slag roof, steam heating, electric lighting. Owners are sub-letting all contracts.

Garage, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Roger Henry, 216 North Broad street, Trenton, N. J. Brick and terra cotta, 2 stories, 41x118 feet, slag roof, concrete floors, metal lath (heating and electric work reserved). Architects taking bids, due February 3rd. The following are figuring: William Ivins, William Morris, Charles Y. Barlow, J. Harper Clayton, Burton and Burton, Andrew J. Trier, Charles K. Randall and A. W. Chapman, all of Trenton.

Store and Loft Building, Trenton, N. J., \$15,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton. Owner's name withheld. Brick and terra cotta, 3 stories, 45x82 feet, slag roof, steam heating, electric lighting, tile work, metal lath, damp-proofing. Plans in progress.

Church, Keansburg, N. J., \$20,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton. Owners, R. C. Church, Rev. John E. Murry, New Monmouth, N. J. Brick, 1 story, 50x104 feet, slate roof, steam heating, electric lighting. Plans in progress.

NEW JERSEY**Contracts Awarded**

Factory Building, Camden, N. J., \$55,000. Architect, Layton F. Smith, 513 Charles st., Baltimore. Owners, Farr & Bailey Manufacturing Co., Camden, N. J. Reinforced concrete, 5 stories, 88x92 feet, slag roof, fire escapes, steel sash, reinforcing rods (fire doors, heating, plumbing, electric work, elevator and sprinkler system reserved by owner). Contract awarded to Harrison C. Rea Co., 1027 Wood street, Philadelphia.

Residence, Ventnor, N. J., \$8,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, James A. Grist, 38

North Connecticut avenue, Atlantic City. Brick and stucco, 3 stories, 29x41 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors, dampproofing. Contract awarded to Edward S. Collins, 4 Surry Place, Ventnor, N. J.

Laundry Building, Trenton, N. J., \$9,000. Architect, Richard W. Erler, 45 Clinton street, Newark, N. J. Owners, Trenton Rough Dry Laundry, 218 East Front street, Trenton. Brick, 1 and 2 stories, 50x82 feet and 18x52 feet, slag roof, steam heating, electric lighting. Contract awarded to J. H. Morris, Trenton, N. J.

Miscellaneous Construction News

Loft Building, Wilmington, Del., \$40,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, William Beadenkopf, Fourteenth and Walnut streets, Wilmington. Brick, terra cotta and steel, 5 stories, 70x90 feet, slag and tin roof, steam heating, electric lighting, metal lath, steel sash, steel stairs, passenger and freight elevators. Plans about

completed. Architect will take bids in a few days.

Department Store (alt. and add.), Wilmington, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Braunstein & Co., Wilmington, Del. Brick, terra cotta and steel, 3 stories, 45x150 feet, tin roof, steam heating, electric lighting, tile

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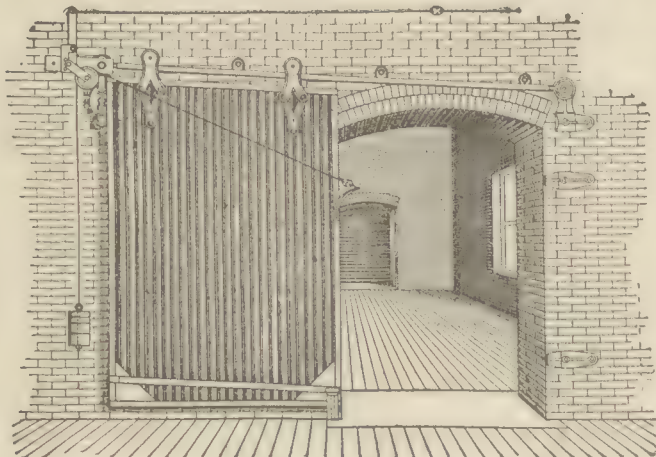
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Theatre (add.), Wilmington, Del., \$8,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, United Developing Co., Wilmington, Del. Brick, 2 stories, 32x56 feet, slag roof, steam heating, electric lighting. Architect has received bids.

Residence and Garage, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, Richard O. Cooke, 2204 Shallcross avenue, Wilmington. Hollow tile, stucco and stone, 2½ stories, 25x45 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work, metal lath, damp-proofing. Architect has received bids.

Pier Superstructure (add.), North River, New York City. Engineer, M. A. Long, B. & O. Building, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore, Md. Galvanized iron and steel, 35x24 feet, slag roof, metal doors, steel rolling doors, steel sash. Owners taking bids, due February 8th. Roydhouse-Arey Co., Fidelity Building, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Passenger Station, Middletown, Ohio. Engineer, M. A. Long, B. and O. Building, Baltimore, Md. Owners, Receivers of the Cincinnati, Hamilton & Dayton Railway Co., care B. & O. R. R. Co., Baltimore, Md. Brick, 1 story, 18x69 feet, slate or tile roof, steam heating, maple floors, tile work, safety treads, metal lath (electric work reserved). Owners taking bids, due February 5th. Roydhouse-Arey & Co., Fidelity Building, Philadelphia, are figuring.

School, Durham, N. C., \$35,000. Architect, C. Howard Lloyd, Harrisburg, Pa. Owners, Board of Education, Durham, N. C. Brick and stucco, 2½ stories. Plans in progress.

School, Durham, N. C., \$40,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Durham, N. C. Brick and stone, 2½ stories, 102x60 feet, slag roof, hot air heating, electric lighting. Plans in progress.

Residence, Garage and Garden, Wilmington, Del., \$50,000. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Frank G. Tallman, 1102 Broome street, Wilmington, Del. Brick, hollow tile and plaster, 2½ stories, 74x96 feet, shingle roof, hot water heating, electric lighting, waterproofing and damp-proofing, tile work, metal weather strips, clothes dryers, cork tile floors, oak floors. Architects taking bids, due February 2nd. The following are figuring: W. D. Hadcock & Co., 804 Orange street; W. Howard May, 1014 Rodney street; Edward Johnson & Son, all of Wilmington, Del. and R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Court House and Jail, Wilmington, O. Architects, Weber, Werner & Adkins, Cincinnati, O.

Owners, Clinton County Court House Commissioners, Zene Hadley, president, Wilmington, Ohio. Brick, terra cotta, reinforced concrete and steel, fireproof. Court House, 3 stories, 145x118 feet; jail, 2 stories, 55x51 feet, composition roofs, vacuum heating, electric lighting, kalamein and metal doors, metal lath, waterproofing, marble and terrazzo work. Owners taking bids. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Store Building, Norfolk, Va. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner's name withheld. Brick, stone trimmings, 3 stories, 40x86 feet, slag roof, steam heating, electric lighting, store fixtures. Plans in progress.

Store Building (alt. and add.), Wilmington, Del. Architect, John D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, Miller Bros., Wilmington, Del. Brick, 2 stories, 46x110 feet, slag roof, electric lighting (steam heating reserved). Architect has received bids.

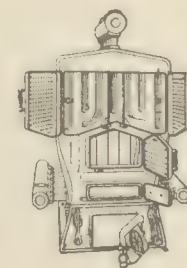
Dairy, Wilmington, Del., \$50,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owners, Clover Dairy Co., Wilmington, Del. Brick, reinforced concrete and steel, 2 stories, 68x45 feet concrete roof, steam heating, electric lighting, concrete floors, metal sash, metal doors, refrigerating plant and conveyors. Architect has received bids.

Passenger Station, Miamisburg, Ohio. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore, Md. Owners, Receivers of the Cincinnati, Hamilton and Dayton Railway Co., care of Baltimore and Ohio Railroad Co., Baltimore, Md. Brick, 1 story, 55x20 feet, slate or tile roof, steam heating, metal lath, maple floors, safety treads, tile work (electric work reserved). Owners taking bids, due February 5th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Residence (alt. and add.), Holly Oak, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, John S. Mullin, 800 Broome street, Wilmington, Del. Stone and shingles, 2 stories, shingle roof, vapor heating extension, electric lighting, tile work, hardwood floors. Contract awarded to J. R. Stevens, 226 West Seventeenth street, Wilmington, Del.

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Editorial Comment

In his address before the forty-ninth annual convention of the American Institute of Architects, in Washington, recently, R. Clipston Sturgis, president of the Institute, commented strongly upon the necessity which exists for a better understanding as between the great outside public and the men who practice architecture. It is a fact capable of easy proof that while the great masses of the people know something of the arts of painting, of sculpture, of music and of literature, they know little or nothing of the art of architecture.

Mr. Sturgis said in part:

"The first need then in all our efforts toward co-operation, whether it be establishing the standards of our own members, or improving the housing conditions of workmen, or arousing the interest of the public in what is good and true and beautiful—the first need is sympathetic understanding. We cannot enforce standards of practice without knowledge of the special difficulties in some cases, and how much harder it is for some than for others. It is easy for the busy, prosperous or financially independent architect to refrain from drumming up work, and not at all difficult for him to view with scorn and contempt the man who scrambles for it. It is quite a different thing for the man whose office is idle, whose pocket is empty, and whose children need food and clothing and education.

"We cannot arouse the public to interest in our own life work—studying conditions, solving problems with sound common sense, and then adding, with creative imagination, the beauty which is the vital element of it all, unless they see our point of view and know it is disinterested. The crying need of the Institute is for a better understanding on the part of the public, and a fuller recognition of the profession and what it stands for. This can be accomplished only by a high stand on the part of every architect, and a keen sense of his own responsibility for the attitude of the public."

* * *

Here in Philadelphia a conference was held recently at which were present a number of city officials and a group of the city's leading architects. The subject that called them together was the consideration of plans to make Philadelphia a more beautiful city. There was an interesting exchange of ideas and a discussion that brought out a number of valuable suggestions for the future development of the city. Two of the suggestions offered were of special interest. One,—advanced by Mr. D. Knickerbacker Boyd,—which advocated the appointment by the American Institute of Architects of a committee to instruct the public on matters pertaining to building construction, and another,—advanced by Mr. Albert Kelsey,—who introduced the novel and

entirely practicable idea of making each of the city's public schools in its way a little civic centre.

"I should like to see this sentence placarded and distributed for public enlightenment as a sign of the times: 'The recollection of the quality will remain long after the price is forgotten,'" said Mr. Boyd. "I have suggested to the American Institute of Architects that a committee should be appointed to instruct the public on matters pertaining to building construction, so that the general level of the public conscience be elevated. I believe the result would be a demand for a higher standard of design and a better type of construction.

"A most important matter in line with the preservation of our historic edifices is that sufficient space shall be acquired around them to prevent them from becoming a prey to conflagrations. These open spaces also will provide an appropriate setting for our relics of priceless value.

"Properties adjoining old Christ Church and Carpenter's Hall have been secured for this purpose.

"Emphatic protest must also be made against the use of any combustible material whatever in the construction of school houses. The curtailment of the enormous losses which the cities of our country have sustained in general will not be accomplished until the subject of fire prevention has received the same consideration by the general public as has been given to the stamping out of contagious diseases.

"Americans are wasteful. We pay thousands of dollars for a given area of the city and then wantonly neglect the use of our roofs. A parapet around a roof will allow of its use for many purposes. We should have them more like those in warmer climates, enclosed with parapet walls. Moreover, they should be of fireproof construction. The utter disregard now shown for appearance in the erection of water tanks, steel chimneys and other etceteras is to be deplored, and these bad features should be corrected.

"In these and many other matters concerning the aesthetic side of city development, we must all lift our eyes and develop the powers of observation. Too many of us live with our eyes close to the ground and lose our sense of proportion and see things in a wrong perspective. Every citizen should make it a point to see and know his city better by ascending a height and studying the layout of buildings, streets and open spaces. The ability properly to study the conditions of our slums and alleys from above will give a much more comprehensive idea than can be gotten merely in passing by on the other side."

* * *

"For twenty years or more I have made a

study of city making," said Mr. Kelsey. "As long ago as the year 1897 I was sent abroad by the University of Pennsylvania to make a special study of this nature, and some years later was made chief of the division of municipal improvements at the Louisiana Purchase Exposition, and created the model city, which was the first city planning exhibit ever held in the United States. I merely mention these facts to show that I have been keeping in touch with such movements, but, after all is said, I have been forced to the conclusion that it is education alone which will solve the problem of 'The City Beautiful.'

"It is always a compromise between expediency and the best way to do it. Of course, under an ever changing form of civic government it is very difficult to obtain any continuity of effort; in consequence, if the people are opposed to a commission form of government, or to placing such far-reaching propositions in the hands of a self-perpetuating commission, as Boston and her tributary communities have developed, then we must do the best we can under existing conditions.

"It is my firm conviction that the one thing to do is to look to the public schools for our means of regeneration. We have them in every ward and in every quarter of the city. Use the present system of public education as a basis for a gradual metamorphosis of the entire city. Make every school building a little oasis about which adjoining property must improve. In other words, make every new school house a social centre; place it in a small park which shall be a breathing spot for the benefit of the grown-ups, as well as a recreation for children. Around each of these centres establish a new system of building laws, and in the outlying and open sections widen out certain arteries of traffic radiating from these points out into the distant country.

"Have at least one tree-lined avenue starting from each of these new centres, and thus gradually broaden the streets, and a greener city will tend to break the terrible monotony and growing congestion which now prevail.

"I realize that this is not entirely practicable, but if every school centre should be made a point from which every one in the neighborhood would learn to expect some kind of civic improvement, a great deal could be done in a few years to educate our people in all walks of life and in all sections of the municipality."

* * *

Mr. John T. Windrim remarked, as the chief need for the city's growth, the co-operation of architects with vision.

"The work of the architect is necessary if the City Best to Work and Live In is to be an actuality and not merely a dream, as the fundamentals of his education fit him better than any other thinking man to understand what is required to make a great city as well as a useful one," said Mr. Windrim.

"A truly great city is one in which it is healthful to live and where its streets, avenues and approaches give the speediest and safest facilities in getting from one point to

another. An ugly city would not be a healthful place in which to reside, for above all things, we must have color, sunshine and broad spaces with nature given a full chance.

"Philadelphia has the greatest opportunity of any of the old cities to become one of the most beautiful in the world. Take that section below South street, from river to river. It is absolutely virgin ground. It should be laid with diagonals and approaches and could be reclaimed and built within a mile of the heart of the city. Our proposition is not that of London, where it cost \$50,000,000 of then existing values to construct the King's Way.

"Mayor McClellan, I believe, is more responsible for the utilitarian and impressively magnificent appearance of New York City than any other single individual. Who his contractors were did not matter, provided they had capable and effective organizations; but he insisted on the known capability of the architects.

"Such confidence in the worth of the competent architect is well placed, and a good example of the result of intelligent study of men of thought on a completely rendered subject is the Grand Central Station.

"In many buildings we can see a lack of proportion which has been covered by meaningless ornamentation. Therefore, the business of the architect is to inspire dignity, efficiency and simplicity, as the safety and happiness of the public depend largely on the thoughtfulness given to his subject.

"Then, again, the question of ventilation, heating and lighting is under his jurisdiction, and the designer of buildings must necessarily inspire the work of the landscape architect. Inspiration and vision play a most important part in his work and one of the ways in which this is secured is by travel and seeing other cities and observing methods and motives.

"There is not a doubt that we have many sore spots in our city; these should be opened up by widening the avenues, but it is a mistake to move any industry from one part of the city to the other merely to get away from surrounding conditions which are not harmonious, and it is the real duty of the people who control events to stop the movements of centres, as values cannot be conserved in that way.

"Every effort should be made by the powers of government to prevent a changing or lessening of realty values by important industries moving from one neighborhood to another. The important industries should remain where they are, and the lesser things that are crowding them be removed.

"Take an important industry of any nature and let it be a point of radiation; it will stay if freed from congestion, made quick of approach and easy of access."

* * *

Mr. Horace Wells Sellers, President of Philadelphia Chapter of the American Institute of Architects, described the greatest obstacle to development of the city along artistic lines the difficulty of trying to make the layman

realize the possibilities and natural advantages enjoyed by this city of homes.

"Our chapter of the American Institute of Architects is so impressed with these great questions of civic betterment and of the necessity of trying to make the layman realize the great possibilities and natural advantages possessed by this city of ours, that we have arranged a talk for this purpose on the 26th of the month," said Mr. Sellers, "when we expect to discuss the subject and try to lend our assistance in obtaining a better Philadelphia.

"We architects look upon questions of utility, broad spaces and light and air as of prime importance, after which comes the question of embellishment, and both the Institute and our own chapter at all times stand ready to give advice on matters pertaining to municipal improvements and gratuitous public service in restoring public buildings or places of historic interest.

"There is a very serious fault in our American cities, and that is, their growth is left to chance. We allow manufacturing plants to crowd residential quarters. They start at water fronts and the manufacturing quarters and business sections encroach on the residential zones and frequently disfigure the city.

"Speaking of zones makes me feel that by such a system, a beautiful city is made possible if capital will improve its own property. The hope is in the new sections. In laying out a suburb or part of a city, the zone system contemplates nothing but first-class residences in one section, in another factories and adjacent to that employees' houses, but it takes a dictator to do this.

"Limit the height of buildings. That is what makes Paris so beautiful and it is an admirable example of what can be done by restriction. This gives light and air, which are vital elements.

"A certain blight to our city is the pressing out into the suburbs of these rows of small houses and putting the greatest number of them on a given tract of ground, with no regard to beauty, light and air.

"If we would take the old market at Second and Pine streets and restore it to its original condition and then park the rest of the way, it would help things in that quarter. There is a great deal to be said in favor of setting standards, as a feeling of pride and competition enters into the proposition and there is an incentive to follow after the standard which has been set up."

* * *

Mr. George Spencer Morris, of Morris & Erskine, remarked:

"The things which I feel would be of the greatest benefit toward improving our city and making it a more desirable place to live in may be considered by many as being of minor importance. Projects like the Parkway, the Art Museum and beautifying the rivers will undoubtedly come in the course of events, and will be handled by competent engineers and architects; but when we think of the vast number of houses which are being

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built in all parts of the city, principally the newer districts, without any regard to beauty or architectural design, we cannot help but regret their deadly uninterestingness.

"Many builders imagine they are producing 'something new' when they introduce an odd gas fixture or put colored glass in the vestibule.

"Out on the Northeast Boulevard I noticed an encouraging indication of a builder moving in the right direction. He offered a prize of \$500 for the best design for a dwelling house. As a result, they show the effect of careful planning, as they are much more picturesque and attractive than many of those about them.

"The houses on the Girard Estate in the lower part of the city are also good examples of the exercise of care and forethought, coupled with artistic appreciation.

"Much could be done by the improvement of back yards, especially in the older part of the city. They could be opened up, not necessarily for public use, fences removed or lowered and pergolas and arbors erected. All these things have been done and can be done again.

"There are also many places and odd nooks and corners in our city which could be cleaned up and made into very desirable residences, offices and studios. Take, for instance, Camac street. A few years ago it was the haunt of the vicious, and one's life was hardly safe there. Now it is filled with a number of attractive club houses. Ludlow, Cherry and Commerce streets are full of such places. What we must do is to get away from the dead monotony of commonplaceness."

* * *

There were a number of other entertaining and instructive suggestions, more in fact than we can find space for in one reference to the

subject. The point we wish to establish in quoting them here at this time is to demonstrate to Mr. Sturgis that here in Philadelphia the architect is already busy with the great task of educating the lay public. Philadelphia Chapter has had a number of notable meetings along this line and expects to hold many more, the chief purpose of which is to make plain through the co-operation of the

press and public officials the importance to a city of good architecture.

It seems to "The Guide" that the idea here embodied is one that might profitably be taken up by Chapters of the Institute elsewhere, to the end that the masses of the people may be aroused to the importance of the little-understood but vitally important art of community planning.

MARYLAND Construction News

Sunday School Building, Baltimore, Md. Architect, T. W. Pietsch, American Building, Baltimore, Md. Owners, Calvary M. E. Church, Baltimore, Md. Brick and marble trimmings, 1 story, 68x70 feet, slag roof, steam heating, electric lighting, dampproofing, metal lath. Architect has received bids.

Pier Superstructure, Baltimore, Md. Engineer, private plans. Owners, The Canton Co., Commerce and Water streets, Baltimore, Md. Steel and corrugated iron, 250x70 feet, steel sash, steel rolling doors. Owners taking bids, due February 4th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Office Building, Baltimore, Md., \$100,000. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Sun Life Insurance Co., 900 North Eutaw street, Baltimore, Md. Granite base, brick, terra cotta and steel, fireproof, 4 stories, 64x74 feet, steam heating, composition roof, electric lighting, elevator, marble and tile work. Plans about completed. Architect will take bids in about two weeks.

Garage, Baltimore, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore, Md. Owners, Mid-City Garage Co., Baltimore, Md. Brick, concrete and steel, fireproof, 3 stories, 85x185 feet, slag roof, steam heating, electric lighting, elevator. Architect has received bids.

Dwelling (alts.), 14 St. Paul street, Baltimore. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owner, H. M. Burkett, 307 St. Paul street, Baltimore. Brick, 3 stories, consists of interior alterations from dwelling to offices. Plans in progress.

Dwelling, Old Harford Road, Hamilton, Md., \$2,200. Architect, G. Bernard Lohmiller, 1735 North Broadway, Baltimore, Md. Owners, Lohmiller Building Co., 1735 North Broadway, Baltimore. Frame, 28x30 feet, slate and asbestos shingle roof, 2 stories and 1½ stories, weatherboard and stucco, porches, steam heating, electric lighting. Plans in progress.

Cottage, North Road, near Cedar Road, Baltimore, \$3,000. Architect, George R. Morris, Gunther Building, Baltimore. Owners, Northwestern Real Estate Co., 45-46 Gunther Building. Frame, 1½ stories, steam heating, electric lighting. Architect will take sub-bids.

Residence, St. Paul street and University Parkway, Baltimore, \$35,000. Architect, Geo. R. Callis, Jr., 55 Knickerbocker Building, Baltimore. Owner, Mrs. Mary Kennedy, Baltimore. Brick, 2½ stories, 65x50 feet. Plans in progress.

Hotel, Blue Mountain, Md., \$250,000. Architect, not yet selected. Owners, Blue Mountain Hotel Co., care of John Gibbons, manager, care of Western Maryland Railroad, Baltimore. Fireproof, 4 stories, to contain 250 rooms, 100 private bath rooms, stone, electric

lighting, electric elevators, mechanical heaters and filters.

Hotel, Light and German streets, Baltimore, \$500,000. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owner, The Southern Hotel Co., Calvert Building, Baltimore. Brick and steel, 10 stories, basement and sub-basement, promenade tile roof, steam heating, electric lighting, power plant, granolithic sidewalks and vault lights, electric elevators. Plans in progress. Will be ready for bids about April 1st.

Y. W. C. A., Clinton street, near Eastern avenue, Baltimore, \$40,000. Architect, O. B. Wright, 1122 Munsey Building, Baltimore. Owners, Highlandtown Branch of Y. M. C. A. Steel and concrete. Main building, 3 stories, 62x40 feet; gymnasium annex, 2 stories, 48x72 feet, concrete and wood floors, gas and electric lighting. Architect taking bids. The following are figuring: B. F. Bennett Building Co., 23 South Howard street; John Cowan, Inc., 106 West Madison street; Fred Decker & Sons, 1209 East Biddle street; J. H. Miller, Inc., Miller Building, Franklin and Eutaw streets; Morrow Bros., Fidelity Building; C. E. Stubbs, 458 Equitable Building; C. E. Stockhausen Co., Inc., National Marine Bank Building; John Waters, 23 East Center street; C. W. Littleton & Son, 5313 Liberty Heights avenue; Cogwell-Koether Co., 206 Park avenue, all of Baltimore.

Sunday School Building, University Parkway and Charles street, Baltimore, \$35,000. Architect, Theodore Wells Pietsch, American Building, Baltimore. Owners, Methodist Calvary Episcopal Church South, Baltimore. Brick, marble trimmings, 1½ stories and basement, steam heating, slag roof, gas and electric lighting, plumbing. Architect taking bids, due February 10th. The following are figuring: B. F. Bennett Building Co., 123 South Howard street; Irwin & Leighton, Keysey Building; D. M. Andrews Cont. Co., Equitable Building; Edward Watters & Co., 509 North Charles street; C. C. Watts, 407 East Twenty-fifth street; Burns & Russell, 1103-04 American Building; Consolidated Eng. Co., 243 Calvert Building; C. E. Stubbs, Equitable Building; John Hiltz & Sons, 3 Clay street; Singer-Pentz Co., Equitable Building; Fred Decker & Son, 1209 East Biddle street; Cogwell-Koether Co., 206 Park avenue; West Construction Co., Knickerbocker Building; Geo. M. Blacke, 332 Law Building; Henry Rippel, 7 Clay street, all of Baltimore.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

MARYLAND

Contracts Awarded

Cold Storage Building, 21-23 East Pratt st., Baltimore. Architect, Ven R. Green, engineer, New York City. Owners, Baltimore Cold Storage Co., Jas. C. Leib, president, Baltimore. Brick, 6 stories, slag roof, 800,000 square feet of space, installation of ice manufacturing and cold storage machinery. Contract awarded to Morrow Bros., Fidelity Building, Baltimore.

Walls, Fourth avenue and Fifth street. Architect, private plans. Owners, Baltimore Copper Smelting and Rolling Co., on premises. Four walls, brick and concrete, 477x78 feet and 220x78 feet, for foundation for tanks. Contract awarded to McClintock-Marshall Const. Co., Pittsburgh, Pa.

Residence, Park Heights avenue, Baltimore.

Architect, C. M. Anderson, Baltimore, Md. Owner, George Schluderberg, Baltimore, Md. Brick, stucco and Spanish tile, 3 stories. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Stable, 644 West Lexington street, Baltimore, Md. Architect, John Freund, 11 East Lexington street, Baltimore. Owner, E. H. Koester, on premises. Brick, 1 and 2 stories, 73x85 feet, slag roof, steam heating. Contract awarded to Adam Kratz, 119 South Carrollton avenue, Baltimore.

Foundations, Dock street, near Caroline street, Baltimore. Architect, private plans. Owners, William C. Robinson & Son, 32 South street, Baltimore. Concrete foundations. Contract awarded to Singer-Pentz Const. Co., Equitable Building, Baltimore, Md.

Cost, \$1,700. Manufacturing building, 453 North Twelfth street.

P. & R. Ry. Co. (O), Reading Terminal. Cost, \$675. Station shelter, Cresson street and Walnut lane.

Gimbel Brothers (O), Eighth and Market streets. Steward & Stevens (C), 1716 North Ninth street. Cost, \$2,000. Store building, 816 Market street.

Board of Education (O), City Hall. Asbestos Concrete Building Co. (C), North American Building. Cost, \$9,200. Four portable schools, Ninth and Mifflin streets, Eighth and Clearfield streets and Frankford avenue and Ontario street.

C. Koplan (O), 319 Reed street. Copley Shorr (C), 403 Hoffman street. Cost, \$300. Store and dwelling, 729 Dickinson street.

James McGowan (O), 6613 Lansdowne avenue. William H. Shepard, Jr. (C), 2825 Hedley street. Cost, \$495. Dwelling, 6613 Lansdowne avenue.

William H. Cooper & Sons (O), 712 North Third street. Joseph Levin Co. (C), 1130 South Sixth street. Cost, \$1,250. Shelter shed, 330 Brown street.

Bartlett Garage (O), Twenty-first and Market streets. Cost, \$1,500. Garage, Twenty-first and Market streets.

Quaker Dye and Bleach Co. (O), 3435 Richmond street. James J. Delmar (C), 2429 East Allegheny avenue. Cost, \$750. Tank supports, Richmond and Ontario streets.

S. V. Vrooman Co. (O), Beach street. R. J. Molloy (C), 2316 East Lehigh avenue. Cost, \$3,000. Lumber shed, 1150 Beach street.

Rev. Elberstein (O), 534 East Monastery avenue. John J. Hurley & Co. (C), 4416 Cresson street, Manayunk. Cost, \$400. Dwelling, 534 East Monastery avenue.

Philadelphia Electric Co. (O), Tenth and Chestnut streets. Thomas C. Trafford (C), 1613 Sansom street. Cost, \$2,800. Storage, 1218-22 North Thirty-first street.

Horn & Hardart (O), 202 South Tenth street. Stuckert & Co. (C), 1420 Chestnut street. Cost, \$1,200. Restaurant, Juniper and Drury streets.

Charles H. Feldstein Co. (O), 1839 East Madison street. Cost, \$350. Office and store rooms, 1839 East Madison street.

A. H. Martin (O), 6408 Rising Sun Lane. J. G. Hasetmasir (C), 1046 Deveraux street. Cost, \$900. Store, 6408 Rising Sun Lane.

John Illingsworth Stove Co. (O), Tacony and Lewis streets. Joseph R. Dickinson (C), 4139 Orchard street. Cost, \$1,800. Laboratory, Tacony and Lewis streets.

E. J. Wood & Co. (O), 1910 Brandywine street. Boon & Sample (C), 1708 Arch street. Cost, \$390. Stable and dwelling, 1910 Brandywine street.

Board of Education (O), City Hall. Cost, \$1,000. School, Nineteenth and Market streets.

Flood S. Quin (O), Sixteenth and Cherry streets. C. A. Legates (C), 322 North Cross street. Cost, \$450. Offices, Sixteenth and Cherry streets.

Pennsylvania Co. (O), 517 Chestnut street. J. F. Harris (C), 1502 Webster street. Cost, \$725. Store and dwelling, 1000 Catherine street.

William M. Weisman (O), 1741 North Thirty-first street. Frank Kauffman (C), 846 North Eighth street. Cost, \$1,100. Store and dwellings (2), 1719 and 1725 North Thirty-first street.

Philadelphia Brewing Co. (O), Sixth and Clearfield streets. John A. Engel (C), 3006 North Fifth street. Cost, \$550. Saloon, 1438 Glenwood avenue.

Mamie Wiser (O), 623 South street. M. Bornstein (C), 526 Segal street. Cost, \$6,800. Store, 260 South Fifth street.

I. Silver (O), 232 Vine street. Silverman & Tuttleman (C), 308 Vine street. Cost, \$435. Store and dwelling, 228 Vine street.

Dr. Charles Gilden (O), 2533 Columbia ave-

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Stella M. Stocks (O), 5701 Erdrick street. W. J. Stokes (C), 5701 Erdrick street. Cost, \$2,000. Dwelling, stone and brick, 2 stories, 14x41 feet, Erdrick and Vankirk streets.

Frank Williams (O), 701 South Fifty-eighth street. Cost, \$51,000. Twenty-two dwellings, brick and stone, 2 stories, 15x40 feet, Sixty-second and Larchwood avenue.

Dora Stalberg (O), 1331 South Sixth street. J. J. Anderson (C), 736 Drexel Building. Cost, \$6,000. Dwelling, brick, 3 stories, 19x103 feet, 311 South Fifth street.

Ira K. Davis (O), 2400 Oakdale street. Cost, \$99,500. Forty-six stores and dwellings, brick, 2 and 3 stories, 15x35 feet, Ringgold and Elkhart streets.

Southwark Const. Co. (O), 360 Ritner street. Cost, \$30,400. Stores and dwellings, brick, 2 stories, 16x48 feet, Fourth and Porter streets.

Rubin Walder (O), 317 Greenmore street. Louis Goldberg (C), 2022 South Ninth street. Cost, \$8,000. Three stores and dwellings, brick,

2 stories, 14x40 feet, L street and Kensington avenue.

The Northern Building Co. (O), 4836 Frankford avenue. Cost, \$21,350. Ten stores and dwellings, brick, 2 stories, 15x38 feet, Medary and Norwood streets.

M. Rosenfeld (O), 2111 South Fourth street. Cost, \$75,300. Two dwellings, brick and stone, 2 stories, 35x15 feet, Eleventh and Loudon streets.

J. Silberman (O), 812 Snyder avenue. Cost, \$159,600. Thirty-eight dwellings, brick, 2 stories, 15x50 feet, Eleventh and Courtland streets.

Sadie Goldberg (O), 740 South Thirteenth street. Cost, \$4,800. Two stores and dwellings, brick, 3 stories, 16x37 feet, 740-42 South Thirteenth street. Alex. P. Lucker (C), 1727 North Fifty-first street.

Frank D. Williams (O), 1838 West Venango street. Cost, \$20,800. Eight dwellings, stone and brick, 2 stories, 15x42 feet, Bouvier and Pulaski avenue.

H. A. Paxon (C), 6004 Market street. Cost, \$715. Store, Sixtieth and Market streets.

Philadelphia Rapid Transit Co. (O), 810 Dauphin street. Cost, \$800. Car storage, Forty-first and Haverford avenue.

Clark & Craighead (O), 5030 North Fifteenth street. Cost, \$3,600. Eighteen garages, Limekiln pike and Opal street.

H. E. Morse (O), 4439 Spruce street. M. W. Young (C), Overbrook, Pa. Cost, \$3,500. Store, Seventeenth and Sansom streets.

M. Schneiderman (O), 2221 South Fifth street. P. Glashoffer (C), 529 Morris street. Cost, \$325. Store and dwelling, 2221 South Fifth street.

William Adams Estate (O), 960 North Ninth street. Charles McCaul Co. (C), 1713 Sansom street. Cost, \$1,000. Foundry, 960 North Ninth street.

W. P. Owens (O), Eleventh and Hamilton streets. John Duncan (C), 920 Walnut street.

Alterations and Additions

John L. Earle (O), 1515 Spring Garden street. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$1,000. Store and dwelling, 1515 Spring Garden street.

Jacob D. Weiss (O), 416 North Second street. B. Arrow (C), 860 North Sixth street. Cost, \$1,500. Store and dwelling, Parrish and Marshall streets.

H. D. Falsteth (O), 6415 North Thirteenth street. E. A. B. McCall (C), Sixty-fifth and Park avenue. Cost, \$900. Garage, 6413 North Thirteenth street.

Charles Schofield (O), 1912 Monmouth street. Harry S. Drake (C), 3139 Frankford avenue. Cost, \$1,415. Store, 1905 East Clearfield street.

Dr. Alfred L. Elenger (O), 1 Liberty street, New York City. Thomas Little & Sons (C), 1713 Moravian street. Cost, \$2,500. Store and dwelling, 1422 Walnut street.

D. G. Guthrie (O), 722 North Fortieth street.

nue. Charles W. Goger (C), 1647 North Twenty-seventh street. Cost, \$900. Dwelling, 2533 Columbia avenue.

Estate G. B. Wilson (O), Fifteenth and Chestnut streets. Basch & Co. (C), 1436 South Front street. Cost, \$875. Store and offices, 1430 Chestnut street.

A. Silver (O), 3912 Poplar street. V. Iganitsky (C), 2600 South Beulah street. Cost, \$600. Garage, 1002 North Fortieth street.

G. W. Boyer (O), 621 Heed Building. J. D. Fiske (C), 5718 Market street. Cost, \$1,000. Store and shop, 22 North Fifty-second street.

John McKee (O), 5130 Willow street. Bushnell Bros. (C), 2146 East Norris street. Cost, \$450. Dwelling, 5130 Willow street.

Harry Weiner (O), Memphis and Clearfield streets. J. S. Silver (C), 1912 East Orleans street. Cost, \$1,200. Store and dwelling, Agate and Clearfield streets.

Millard F. Wilfong Iron Works Co. (O), Fifty-second and Grays avenue. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$1,000. Crane runway, Fifty-second and Grays avenue.

Keystone Supply and Manufacturing Co. (O), 911-15 North Ninth street. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$9,000. Storage, 911 North Ninth street.

C. F. Simons (O), Belgrade and Tioga sts.

Harry Gill (C), 2515 Germantown avenue. Cost, \$4,300. Manufacturing building, Belgrade and Schiller streets.

Dungan Hood Co. (O), American and Susquehanna avenue. Hary Gill, Jr. (C), 2515 Germantown avenue. Cost, \$5,000. Garage, 2154-56 North Bodine street.

I. J. Weidner (O), 1643 Diamond street. Morris Yellin (C), 712 North Franklin street. Cost, \$1,200. Apartments, Gratz and Diamond streets.

Mrs. Elinor Baxton (O), 307 Lincoln Drive. Central Cabinet Manufacturing Co. (C), 529 North Ninth street. Cost, \$650. Dwelling, 307 Lincoln Drive.

Frank Toomey, Inc. (O), 942 Beach street. William C. Hyzer (C), 1230 Marlborough st. Cost, \$31,000. Machine shop, 942 Beach street.

Heidelberg Church (O), Nineteenth and Oxford streets. Robert Wall (C), 1701 North Twentieth street. Cost, \$2,000. Church, Nineteenth and Oxford streets.

M. S. Mittleburg (O), Sixtieth and Arch streets. J. D. Fisher (C), 5718 Market street. Cost, \$1,000. Wagon shed, Vine and Robinson streets.

Merchant & Evans Co. (O), 2025 Washington avenue. George Tomlinson & Sons (C), 2619 South Fifteenth street. Cost, \$400. Machine shop, 2025 Washington avenue.

Brooklyn, desires samples and catalogues from jobbers and manufacturers of supplies.

****ASSOCIATION OF AMERICAN PORTLAND CEMENT MANUFACTURERS** at its recent annual meeting held in New York City elected the following officers: B. F. Affleck, president; F. W. Kelley, vice-president; L. R. Ferguson, assistant secretary; G. S. Brown, treasurer. Percy H. Wilson who has served as secretary for a number of years, resigned, and J. P. Beck was elected general manager of the association. B. F. Affleck, the new president, is president of the Universal Portland Cement Co.

****ILLUMINATING ENGINEERING SOCIETY** will celebrate the tenth anniversary of its organization by holding a mid-winter convention in New York City, February 10-11. At this time honorary membership will be conferred on Thomas A. Edison. Arthur Williams is chairman and Clarence L. Law is secretary of the Convention Committee.

****NATIONAL BUILDERS' SUPPLY ASSOCIATION** will hold its annual convention at Cleveland, O., February 17-19, 1916. Headquarters at the Hotel Statler.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****HENRY WELLES DURHAM**, consulting engineer, 366 Fifth avenue, was recently appointed County Engineer of Bergen County, N. J. Mr. Durham will continue his New York office and his private practice.

****L. E. THORNTON**, architect, has moved his offices from 212 Garland avenue, Kansas City, Mo., to Lake Charles, La. Catalogues and samples are desired from manufacturers and jobbers interested in the building trades.

****ARCHITECTURAL LEAGUE OF NEW YORK** will hold its thirty-first annual exhibition in the Fine Arts Building, 215 West Fifty-seventh street, from Sunday, February 6, to Saturday, February 26, 1916, inclusive. The annual dinner of the league will be held Friday evening, February 4, at 7 o'clock P. M. On Saturday, February 5, the league will hold a reception from 3 to 6 P. M. Public lectures will be given on Saturdays, February 12, 19 and 26.

****AMERICAN CONCRETE INSTITUTE** will hold its annual convention at the Auditorium Hotel, Chicago, Ill., February 14-17.

****WILLIAM DAHL, JR.**, 298 Stanhope street, Brooklyn, desires catalogues and price lists from manufacturers and jobbers of plumbing and steam heating specialties.

****JOHN MESMER**, architect, formerly located at 610 Summit avenue, West Hoboken, N. J., has moved his offices to the Neilson Building, 140 Fourth street, Union Hill, N. J.

****CITY COMMISSIONERS** of Jersey City, N. J., recently passed a resolution to employ

an engineer for the purpose of inspecting all plans and co-operating with the Board of Education in the erection of several new schools, the construction of which is contemplated for the near future.

****VIRGINIA PORTLAND CEMENT CO.**, Young Building, Allentown, Pa., announces the retirement of R. W. Kelley, president; Michael Gavin, vice-president, and F. W. White, treasurer, from their respective offices, and the election of Harry C. Trexler, president; E. M. Young, vice-president, and Alonzo F. Walter, treasurer.

****AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS**, at its annual meeting, will elect its officers for the year. The nominating committee has prepared a slate as follows: For president, Harry M. Hart, Chicago; for first vice-president, Frank T. Chapman, New York; for second vice-president, Arthur K. Ohmes, New York; for treasurer, Homer Addams, New York. For members of the council: D. D. Kimball, New York; Henry C. Meyer, Jr., New York; Dr. E. V. Hill, Chicago; Frank Irving Cooper, Boston; Walter S. Timmis, New York; Charles R. Bishop, North Tonawanda, N. Y.; Fred R. Still, Detroit, and M. W. Franklin, East

****ROY E. GUARD**, architect, has moved his offices from the Masonic Building to the Baker Block, North Broad street, Norwich, N. Y.

****J. L. SCHMIEDEICKE**, heating and plumbing contractor, 1001 Seneca avenue,

Proposals

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 27, 1916.—Sealed proposals will be opened in this office at 3 P. M. February 17, 1916, for the construction of an extension to the power house in connection with the Experiment Station, Bureau of Mines, at Pittsburgh, Pa. Drawings and specifications may be obtained from the superintendent of construction, 4902 Forbes street, Pittsburgh, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 25, 1916.—Sealed proposals will be opened in this office at 3 P. M., March 7, 1916, for the construction complete (including mechanical equipment and approaches) of the United States post office at South Bethlehem, Pa. Drawings and specifications may be obtained from the custodian of site at South Bethlehem, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 31, 1916.—Sealed proposals will be opened in this office at 3 P. M., February 29, 1916, for alterations to the United States post office and courthouse at Martinsburg, W. Va. Drawings and specifications may be obtained from the custodian at Martinsburg, W. Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
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 Real Estate Trust Bldg., Phila.
 T. S. Johnson Sons Co.....622 Cherry st., Phila.
- Heating (Vapor).**
 Vapor Heating Co.,
 York, Pa., and North American Bldg., Phila.
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 H. B. Smith.....1225 Arch st., Phila.
- Iron Work (Structural and Ornamental).**
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 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.
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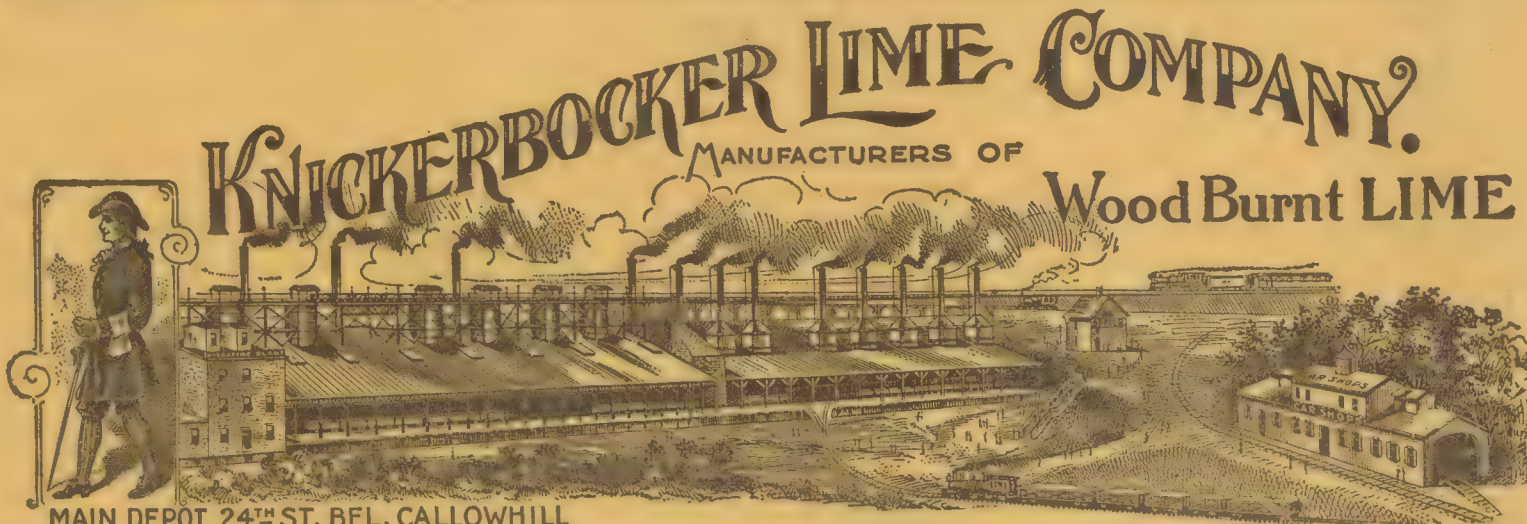
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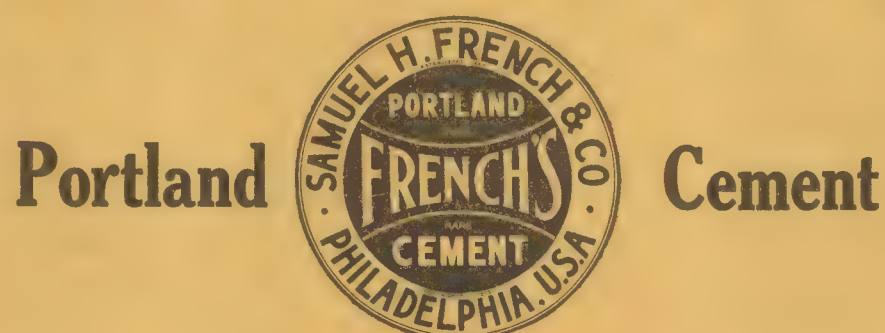
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Vol. XXXI., No. 6.

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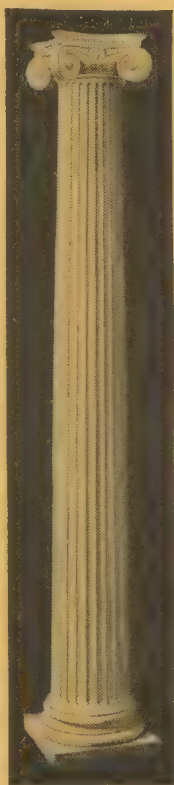
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Pier No. 46 (alt.), Delaware river, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Frame and galvanized iron, consists of alteration to pier and new bulkheads. Owners taking bids, due February 14th, at noon. In addition to those previously reported, F. J. Boas, 201 North Broad street; Peoples Bros., Commercial Trust Building; Brann & Stuart, Commercial Trust Building; Bailey-Lush Co., 201 North Broad street; Armstrong & Latta, Land Title Building, and Mitchell Bros., 2125 Race street, are figuring.

Factory, Seventh, Wood and Franklin sts., Philadelphia. Architect, Herman Miller, Crozer Building, Philadelphia. Owners, Central Machine Co., 708 Cherry street, Philadelphia. Reinforced concrete and brick, 3 and 5 stories, 44110 feet, slag roof, steam heating, electric lighting, electric elevator, metal sash, fire doors, safety treads, damp-proofing and waterproofing. Architect taking bids, due February 14th. The following are figuring: I. T. Shoemaker, 1309 Walnut street; Barclay White & Co., Perry Building; Robert Beatty & Bro., 2321 E. Fletcher street; Thomas Little & Son, 1713 Moravian street; Cramp & Co., Denckla Building; F. K. Stahl, 2713 N. Park avenue; Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

Sunday School and Parsonage, Twelfth and Wyoming avenue, \$40,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Logan United Brethren Church, Logan, Philadelphia. Stone, 2 and 2½ stories, slate roof, steam heating, electric lighting, tile work. Architect taking bids, due February 17th. The following are figuring: Ketcham & McQuade, 1029 Brown street; E. J. Kreitzburg, 1345 Arch street; Pringle Borthwick, 8018 Germantown avenue; Thomas C. Trafford, 1613 Sansom street; E. E. Hollenback, 15th and Race streets; Alex. Chambley, 243 S. Tenth street, Philadelphia.

College Building, Nineteenth and Spring Garden streets, \$100,000. Architect, D. K. Boyd, northeast corner Fifteenth and Walnut streets, Philadelphia. Owners, Philadelphia

College of Osteopathy, 822 Pine street, Philadelphia. Brick, stone and steel, 3 stories. Details not yet decided. Architects selected. Plans about to be started.

High School, Coral and Cumberland streets. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, City Hall. Brick, terra cotta, reinforced concrete floors, fireproof, 3 stories, 125 x 320 feet, copper, tile and composition roof, oak and maple floors, composition flooring, tile and marble and terrazzo work, steel sash, steel stairs, glazed brick, waterproofing, metal lath, metal weather strips (heating, plumbing and electric work separate bids). Lowest bid submitted by Thomas Reilly, 1616 Thompson street, \$332,927.

Fraternity House, 3618-20 Locust street, Philadelphia. Architects, Folsom & Stanton, 1322 Walnut street. Owners, Phi Sigma Kappa Fraternity, 3732 Walnut street, Philadelphia. Brick, marble trimmings, 4 stories, 34x75 feet, tile and composition roof, tile and marble work, hardwood floors, metal lath (heating, plumbing and electric work separate bids). Architects taking bids, due February 10th. The following are figuring: Henry L. Brown, 1714 Sansom street; Frank G. English, 1610 N. Carlisle street; F. B. Davis, 240 N. Sixteenth street; E. J. Kreitzburg, 1345 Arch street; Frank E. Wallace, 1220 Chancellor street; H. E. Grau Co., 1707 Sansom street; Geo. Hogg, 1634 Sansom street; John Duncan, 920 Walnut street; F. L. Hoover & Sons, 1023 Cherry street; McCloskey & Bahls, Hale Building, Philadelphia.

Garage, 7003 North Thirteenth street. Architect, Chas. E. Oelschlager, Harrison Building, Philadelphia. Owners, name withheld. Stone and frame, 1 story, shingle roof, cement floors. Architect has received bids.

Warehouse, 431 Spruce street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owners, Feidelson & Co., 230 and 232 S. Darien street, Philadelphia. Brick, 2 stories, 40x102 feet, slag roof, steam heating, electric lighting, cement floors. Plans completed. Architect ready for bids.

Factory Building, Westmoreland and Col-

lins streets, Philadelphia. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, C. H. Masland & Sons, E. Willard and Amber streets. Brick and concrete, 4 stories, 79x81 feet, slag roof, fire doors, iron stairs, metal sash, rolling steel doors (heating, electric work and sprinkler system reserved by owners). Builders Wm. Steele & Sons Co., 1600 Arch street, have received sub-bids.

Residence and Garage, Allens lane, east of McCallum street, \$30,000. Architects, Duh-ring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Robert M. Hogue, 100 Pelham road, Philadelphia. Stone, 2½ stories, 71x33 feet, wing 32x25 feet, shingle roof, oak floors, tile work, canvas floors, metal lath (heating, plumbing and electric work reserved). Architects taking bids, due February 14th. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; I. A. Dunkelberger, 71 E. Herman street; F. B. Davis, 240 N. Sixteenth street; R. C. Ballinger & Co., 218 N. Thirteenth street; Wm. R. Dougherty, 16610 Sansom street; W. John Stevens, Wyncote, Pa.; F. L. Hoover & Sons, 1023 Cherry street.

Power House, Byberry, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Department of Health and Charities, Dr. Wm. Krusen, Director, City Hall, Philadelphia. Brick, 1 story, 59x67 feet and 34x38 feet, slate and slag roof, damp-proofing, enameled bricks (heating, plumbing, electric work and power equipment separate bids). Lowest bid submitted by Peoples Bros., Commercial Trust Building, \$35,900.

Loft Building, northwest corner Juniper and Arch streets, \$150,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, Charles E. Mather, 226 Walnut street, Philadelphia. Concrete, brick and terra cotta, fireproof, 10 stories, 13x137 feet, composition roof, steam heating, metal lath, damp-proofing, elevators, tile work, metal sash, fire doors. Architects have received bids.

Club House (alt. and add.), 124 W. Girard avenue, Philadelphia. Architect, Carl B.

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ZZilenziger, 2618 Montgomery avenue, Phila-
delphia. Owners, East End Republican Club,
on premises. Brick, 3 stories, slag roof, metal
ceilings, tile work, maple floors (heating and
electric work reserved). Owners have re-
ceived bids.

Store Building (alts.), 1203 Filbert street,
Philadelphia. Architect, F. T. Uezzell, 1203
Filbert street, Philadelphia. Lessees, H. D.
Reese, on premises. Brick, 3 stories (roofing,
hot water heating, electric lighting, elevator,
refrigerators and ice machine reserved).
Architect taking bids, due February 10th.
The following are figuring: Smith-Hardican
Co., 1606 Cherry street; E. J. Kreitzburg, 1345
Arch street; Harry Brocklehurst, 518 W.
Norris street; Eugene Tourison, 1001 Chest-
nut street; John A. Codori, 1235 Arch street,
Philadelphia.

Garage, Baltimore and Thomas avenues,
\$8,000. Architect, private plans. Owner,
Abraham Sharp, 5237 Baltimore avenue, Phila-
delphia. Brick, 2 stories, 100x125 feet, slag
roof, steam heating, electric lighting, cement
floors, 6000 gallon gasoline storage system.
Owner will build and is sub-letting all con-
tracts.

Hall Building (alt. and add.), 709 N. Frank-
lin street, Philadelphia. Architects, Maga-
ziner & Potter, 603 Chestnut street, Philadel-
phia. Owners, Cannonia Beneficial Assoc.,
Franklin and Poplar streets. Brick, 3 stor-
ies, consists of general interior and exterior
alterations (heating and electric work re-
served). Architects taking bids, due Febru-
ary 14th. The following are figuring: Wm. R.
Dougherty, 1610 Sansom street; Henry L.
Brown, 1714 Sansom street; J. Cunningham
Co., 2016 Alder street; Lam Building Co., 1001
Wood street; H. P. Schneider, 3713 Old York
road; F. A. Havens & Co., 845 N. Nineteenth
street; Stacy Reeves & Sons, 2011 Market
street; H. E. Baton, Twelfth and Sansom sts.;
H. C. Dahl, 231 S. Eighth street, Philadelphia.

Dwelling (alt. and add.), to Apartment
House, 1420 W. Allegheny avenue. Architect,
Herman H. Kline, Sixth and Mifflin streets,
Philadelphia. Owner, Harry C. Hockstadter,
Esq., 1329 Arch street, Philadelphia. Con-
sists of general interior alterations, 2 stor-
ies, rear addition, brick, 11x16 feet, exten-
sion to hot water heating, electric lighting,
tile work, parquet floors. Plans completed.
Architect and owner ready for bids.

Power House, Federal street yards, Phila-
delphia. Architect, Wm. H. Cookman, Broad

Street Station, Philadelphia. Owners, Penn-
sylvania Railroad Co., Broad Street Station,
Philadelphia. Engineer, A. C. Shand, Broad
Street Station, Philadelphia. Brick, steel
and concrete, 1 story, composition roof, elec-
tric lighting, metal sash. Plans in progress.
Owners will advertise for bds in about three
weeks.

Freight Sheds, Federal street yards, Phila-
delphia. Architect, Wm. H. Cookman, Broad
Street Station, Philadelphia. Engineer, A.
C. Shand, Broad Street Station, Philadelphia.
Brick and steel, 1 story, composition roofs,
electric lighting, steel rolling doors. Plans
in progress. Owners will advertise for bids
in about three weeks.

Residences (103), Simpson and Haverford
avenue. Architect, private plans. Owner,
James N. Mitchell, Forty-sixth and Market
streets. Brick, 2 stories, 18x30 feet each,
slag and tin roofs, hot water heating, electric
lighting, tile work, hardwood floors. Owner
is ready for sub-bids.

Inbound Freight Warehouse, Front and Fed-
eral streets, \$350,000. Architect, Wm. H.
Cookman, Broad Street Station, Philadelphia.
Engineer, A. C. Shand, Broad Street Station,
Philadelphia. Owners, Pennsylvania Railroad
Co., Broad Street Station, Philadelphia. Re-
inforced concrete, 4 stories, 60x400 feet, slag
roof, steam heating, electric lighting, eleva-
tors, steel sash, water proofing. Owners
ready for bids.

Church and Sunday School, Thirteenth and
Rockland street, \$40,000. Architects, Neff &
Thames, Heed Building, Philadelphia. Own-
ers, Bishop Foss M. E. Church, Rev. Richard
Turner, 5319 North Thirteenth street, Phila-
delphia. Stone, 1 story, 100x125 feet, slate
roof, steam heating, electric lighting. Archi-
tects taking revised bids, due February 11th.
Thomas C. Trafford, 1613 Sansom street, and
Frank G. Stewart, 1619 Sansom street, are
figuring.

Residences (21), Sixty-third and Woodland
avenue, Philadelphia. Architect, E. Allen
Wilson, 1208 Chestnut street, Philadelphia.
Owners, S. A. Steltz & J. A. Meloney, 6153
Jefferson street, Philadelphia. Brick, 2 stor-
ies, 16x34 feet each, slag roofs, hot water
heating, electric lighting, tile work, hardwood
floors. Architect taking sub-bids on all lines.

Residences (27), Fifty-fourth and Whitby
avenue, Philadelphia. Architect, E. Allen Wil-
son, 1208 Chestnut street, Philadelphia. Own-
er, Calvin W. Rogers, Forty-ninth and Locust

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streets, Philadelphia. Brick, 2 stories, slag roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Owner will take sub-bids in a few days.

Store Building, Front and Dauphin streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Armin A. Frankel, on premises. Brick, stone trimmings, 3 stories, 46x105 feet, slag roof, steam heating, electric lighting, concrete floors. Plans in progress. Architects will take bids in about three weeks.

Dairy Building and Stable, 1211 North Fourth street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Jones Dairy Co., 1211 North Fourth street, Philadelphia. Brick and concrete, fireproof, 1, 2 and 3 stories, 166x30 feet and 41x56 feet, slag roof, cement floors, electric lighting, electric freight elevator, metal sash, metal lath. Plans in progress. Architect will be ready for bids in about one week.

Club House (alt. and add.), 124 West Girard avenue, Philadelphia. Architect, Carl B. Zilenziger, 2618 Montgomery avenue, Philadelphia. Owners, East End Republican Club, 1333 South Broad street. Brick, 3 stories, steam heating, electric lighting. Architect has received bids.

Apartment House, Sixteenth and Passyunk avenue, Philadelphia. Architect, R. W. Pollock, 1802 Chestnut street, Philadelphia. Owner, Frederick W. Storch, 1712 Wolf street, Philadelphia. Brick, 3 stories, 56x65 feet, slag roof, hot water heating, electric lighting, tile work. Owner is taking sub-bids on all lines.

Service Building, northwest corner Broad and Poplar streets, Philadelphia. Architect, M. H. Dickinson, 2330 Market street, Philadelphia. Owners, Kahn Greenberg, Morris Building, Philadelphia. Reinforced concrete, brick and terra cotta, 6 stories, 65x160 feet, slag roof, steam heating, electric lighting, fire doors, sprinkler system, metal sash, elevators, dampproofing and waterproofing. Architect taking sub-bids on all lines.

Factory Building, Germantown and Sedgley avenues, Philadelphia. Architects, William Steele & Sons Co., 1600 Arch street, Philadel-

phia. Owners, Air Reduction Co., 50 South Broad street, New York City. Reinforced concrete, brick and terra cotta, 1 story, 70x100 feet, asphalt or asbestos roof, dampproofing, metal lath, office partitions, steel sash, terrazzo floors, fire doors (heating, electric work and sprinkler system reserved). Builders, William Steele & Sons Co., 1600 Arch street, taking sub-bids, due February 11th.

Warehouse, 431 Spruce street, Philadelphia. Architect, Fred M. Greisler, Lafayette Building, Philadelphia. Owners, Feidelson & Co., 230 and 232 South Darien street, Philadelphia. Brick, 2 stories, 40x102 feet, slag roof, steam heating, electric lighting, cement floors. Architect taking bids, due February 10th. The following are figuring: Alpha Engineering Co., Heed Building; Philip Savar, 718 Snyder avenue; Fred Quate, 1323 Snyder avenue, and Fischer Bros., 3139 North Ninth street.

Residence, Wissahickon avenue, above Upsal street, \$9,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, 607 West Upsal street, Germantown. Stone, 2½ stories, 36x48 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architect taking bids, due February 14th. The following are figuring: Vanderberry Bros., 5802 Pemberton street; Murphy & Co., 263 South Tenth street; Charles Johnson, 5701 Boyer street; W. O. Springer, 1624 Latimer street; Specht & Sperry, Heed Building; F. B. Davis, 240 North Sixteenth street; I. A. Dunkelberger, 71 East Herman street, Philadelphia.

Garage and Stable, 5226 Knox street, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, Robert Coloopy, 429 Queen Lane, Philadelphia. Brick, 1 story, 100x96 feet, slag roof, electric lighting, cement floors. Architect taking bids. Smith-Hardican Co., 1606 Cherry street, is figuring (only bidders).

Theatre, Germantown avenue and Venango street, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, J. Effinger, Forty-first and Lancaster avenue, Philadelphia. Brick, terra cotta, concrete and steel, fireproof, 1 story, tile and marble work, metal lath. New plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, Benezet street and Cresheim Valley Drive, Philadelphia. Architects, Duh-

ring, Okie & Zeigler, Bailey Building, Philadelphia. Owner, Dr. Geo. Woodward, North



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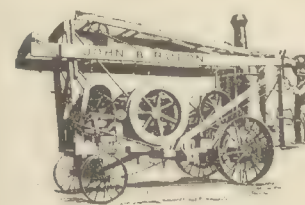
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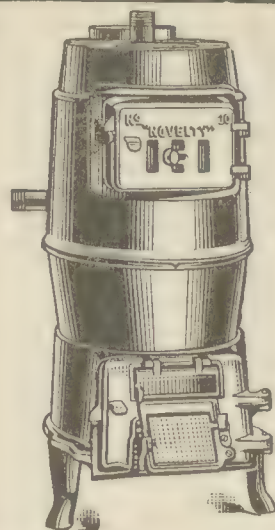
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American Building, Philadelphia. Hollow tile, stone and plaster, 2½ stories, 36x41 feet, shingle roof (plumbing, heating and electric work reserved). Contract awarded to Wolverton & Collins, 7930 Germantown avenue.

Garages (3), Stenton, Philadelphia. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Frank Mauran, Land Title Building, Philadelphia. Stone, 2 stories, 23x22 feet each, slate roofs, tile roofs, hot water heating, electric lighting, cement floors. Contract awarded to R. W. Neff, 6610 Germantown avenue.

Siding and Trestle, Manayunk, Philadelphia, \$10,000. Engineers, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, A. T. Baker Co., Main and Carson streets, Philadelphia. Reinforced concrete, 209 feet long. Contract awarded to Barclay White Co., Perry Building, Philadelphia.

Machine Shop, Second and Jackson streets, \$2,500. Architect, private plans. Owners, Morgenthaler Bros., on premises. Brick and concrete, 2 stories, 36x40 feet, slag roof, electric lighting, concrete floors. Contract awarded to Koelle, Speth & Co., Twenty-sixth and Oxford streets.

Garage, 2234 Georges lane, \$3,000. Architect, private plans. Owner, J. H. R. Acker, Commercial Trust Building, Philadelphia. Stone, 2 stories, 22x25 feet, cement floors, hot water heating. Contract awarded to Wm. J. Gruhler Co., 219 E. High street.

Residence, Seventieth and Overbrook avenue, \$9,200. Architect, private plans. Owners, Morris Estate, Overbrook, Philadelphia.

Hollow tile and plaster, 2½ stories, 40x50 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Alfred James, Bala, Pa.

Residence, Kitchens lane, Germantown, \$30,000. Architects, Bunting & Shrigley, 603 Chestnut street. Owner, Charles F. Jenkins, Seventh and Washington Square. Stone and hollow tile, 2½ stories, 88x36 feet, wing 28x17 feet, shingle roof, metal lath, oak floors, tile work, metal weather strips (heating, plumbing and electric work separate bids). Contract awarded to Wm. J. Gruthler Co., 219 E. High street, Philadelphia.

Tenement House, Ninth and Fitzwater sts., Philadelphia, \$8,500. Architect, private plans. Owner, Antonio Masino, 1615 Christian street, Philadelphia. Brick, 3 stories, slag roof, steam heating, electric lighting. Contract awarded to John Maginnis, 514 Walnut street, Philadelphia.

Store Building (alts.), 835 Arch street, Philadelphia, \$1,200. Architect, private plans. Owner, name withheld. Consists of new store front and interior alterations. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Store Building, 5531 and 5533 Germantown avenue, Philadelphia. Architect, private plans. Owner, Angelo Pasquarello, 4908 Wayne avenue, Philadelphia, and M. Meriano, Twenty-first and Market streets, Philadelphia. Brick, 2 stories, 31x100 feet, slag roof, steam heating, electric lighting. Contract awarded to George Cravero, 3042 North Twenty-first street.

PENNSYLVANIA

Construction News

Residence, Merion, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Wm. H. Steigerwalt, 1420 Chestnut street, Philadelphia. Stone, 2½ stories, 61x33 feet, slate roof, tile work, oak floors (heating, plumbing and electric work reserved). Architect taking bids, due February 8th. John E. Kearney, 327 N. Sixty-third street, and E. J. Heddon, Finance Building, are figuring.

Garage, Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadel-

phia. Owner, C. C. Lippincott, Lansdowne, Pa. Plaster, 2 stories, 19x21 feet, shingle roof, electric lighting, cement floors. Architects have received bids.

Garage, Media, Pa. Architect, L. W. Easby, Media, Pa. Owner, Rebecca S. Easby, Media, Pa. Brick, 1 story, 23x22 feet, shingle roof (gasoline storage system reserved). Owner has received bids.

Residence, Ardmore, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Robley A. Warner, Ardmore,

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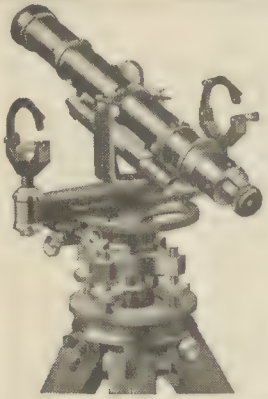
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Gardener's Cottage, Terwood, Pa. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owner, George Satterthwaite, Terwood, Pa. Frame, 2 stories, 30x26 feet, shingle roof. Architect has received bids.

Private School, Rydale, Pa., \$150,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ogontz School for Young Ladies, care Miss A. A. Sutherland, Ogontz, Pa. Stone, 3 stories, 153x45 feet, (2) wings, 3 stories, 43x223 feet and 43x121 feet, slate roof, steam heating, metal lath, metal lockers, waterproofing and dampproofing, tile and marble work, slate blackboards, reinforced concrete floors, metal doors, fire doors (weather strips, electric work, elevator, laundry equipment reserved). Architect has received bids.

Residence (2 Families), Wilkes-Barre, Pa., \$5,000. Architect, O. A. Kleeman, Wilkes-Barre, Pa. Owner, Wm. Coo, Wilkes-Barre, Pa. Frame and stucco, 2½ stories, 26x54 feet, slate roof, steam heating, combination lighting, waterproofing. Plans in progress.

Picture Theatre, West Pittston, Pa., \$14,000. Architect, T. H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre. Owners, Morris N. Rice, Miners Bank Building, Wilkes-Barre, Pa. Brick, 1 story, slag roof, steam heating, electric lighting. Revised plans in progress.

Apartment House, Wilkes-Barre, Pa., \$8,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Mary and Katherine Dillon, Wilkes-Barre, Pa. Frame, 2 stories, 20x65 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence, N. Main street, Wilkes-Barre, Pa., \$10,000. Architect, Jas. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner, Patrick Kielty, N. Main street, Wilkes-Barre, Pa. Brick and stone trimmings, 3 stories, 54x36 feet, slate roof, steam heating, combination lighting, hardwood floors, metal lath, dampproofing. Plans in progress.

High School (completion), Edwardsville, Pa., \$12,000. Architect, Jas. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Board of Education, Edwardsville, Pa. Face brick, 3 stories, 74x40 feet, consists of gymnasium, class rooms and auditorium, ornamental plaster, metal ceilings, beaver board, waterproofing and dampproofing, electric lighting, maple floors. Owners ready for bids.

Residence, Hazleton, Pa., \$20,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Brick, terra cotta, marble and stucco, 2½ stories, 32x46 feet, tile roof, steam heating, combination lighting, tile and hardwood floors, metal lath, art glass. Architect taking bids, due February 19th. The following are figuring: S. Y. Fredericks & Sons, Hazleton, Pa.; A. M. Hildebrand, Wilkes-Barre, Pa., and H. L. Campbell, Hazleton, Pa.

High School, Lancaster, Pa., \$185,000. Architect, C. E. Urban, Woolworth Building, Lan-

caster, Pa. Owners, Board of Education, Lancaster, Pa. Brick, stone or terra cotta trimmings, steel and concrete floors, fireproof, 2½ stories, 150x150 feet, slag roof, metal lath, metal doors, waterproofing and dampproofing, metal weather strips, maple and composition floors, enameled brick, iron stairs, slate blackboards, marble and tile work (lockers reserved), (heating, plumbing and electric work separate bids). Owners taking bids, due February 16th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Post Office, South Bethlehem, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone, brick, steel, fireproof, 3 stories, 75x100 feet, composition roof, metal lath, steam heating, electric lighting, tile and marble work. Owners taking bids, due March 7th, at 3 P. M. Pomeroy Construction Co., 1609 Ranstead street, and Charles McCaul Co., 1713 Sansom street, are figuring.

High School, Carbondale Heights, Pa., \$150,000. Architect, Owne McGlynn, Simon-Long Building, Wilkes-Barre, Pa. Owners, Board of Education, Carbondale, Pa. Brick, 3 stories, slate and composition roof, steam heating, electric lighting, metal lath. Plans in progress. Ready for bids March 1st.

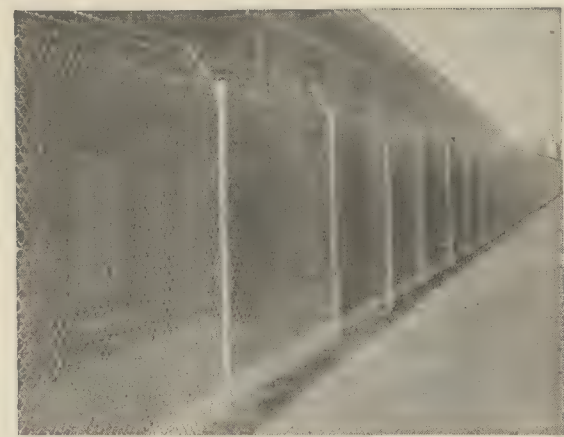
High School, Shenandoah, Pa., \$100,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Board of Education, John Cuff, Secretary, Shenandoah. Brick, stone and steel, 2 stories, 96x150 feet, slag roof, blower system of heating, electric lighting, tile and hardwood floors, metal lath, large skylight, ventilators. Plans about completed. Ready for bids in two weeks.

Apartment House, Hazel street, Wilkes-Barre, Pa., \$35,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Felix Constine, West River street, Wilkes-Barre, Pa. Brick, terra cotta and iron, 5 stories, 45x98 feet, tile and slag roof, steam heating, electric lighting, composition floors, waterproofing, metal studding. Architect taking bids, due February 17th.

Garage, rear 318-20 Adams avenue, Scranton, \$14,000. Architect, James A. Barrett, 716 Connell Building, Scranton, Pa. Owners, McLoughlin Bros., Scranton, Pa. Brick and steel, 2 stories, 40x90 feet, slag roof, metal sash, dampproofing, steam heating, electric lighting, concrete floors, skylight. Plans in progress.

Church and Parish House, Scranton, Pa., \$22,000. Architect, John B. Thomson, 717 Connell Building, Scranton, Pa. Owners, Shiloh Baptist Church, Scranton, Pa. Stone, stucco and iron, 2 stories, 40x78 feet, slate, slag and tin roof, steam heating, electric lighting, maple floors, sliding partitions, waterproofing, skylights. Ready for bids in one week.

Church, Throop, Pa., \$45,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners, St. Anthony's Polish R. C. Church, Rev. R. A. Wiesiolowski, Scranton, Pa. Brick, stone and steel, 1 story, 60x130 feet, slate roof, steam heating, electric lighting, composition floors. Architect ready for bids.



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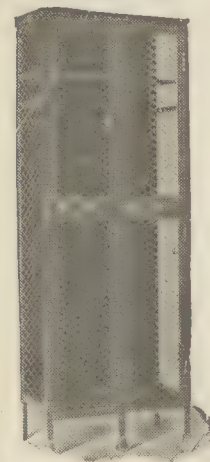
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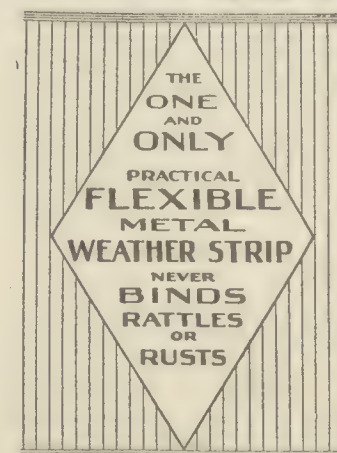
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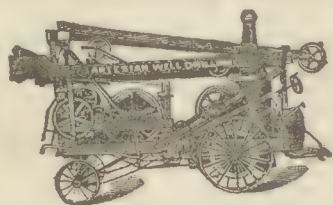
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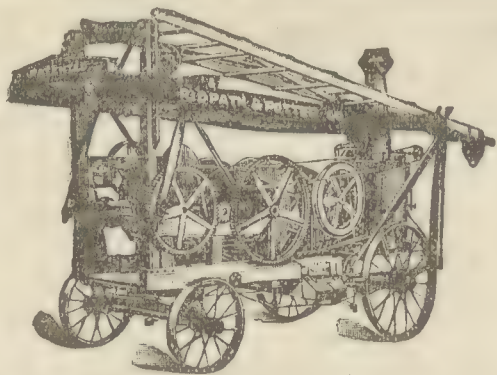
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Residence, Penfield, Pa. Architect, A. B. Gill, 1655 N. Sixty-fifth street, Philadelphia. Owner, J. A. Emminger, care architect. Hollow tile, stone and plaster, 2½ stories, 30x30 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in one week.

Picture Theatre (alt. and add.), Pittston, Pa. Architect, Percival J. Morris, Burr Building, Scranton, Pa. Brick and steel, 1½ stories, 25x42 feet, tin roof, extension steam heating, electric lighting, tile floors, metal lath. Plans in progress.

Bank (alt.), 516 Spruce street, Scranton, Pa. Architect, R. W. Snyder, Title Building, Scranton, Pa. Owners, County Savings Bank, Scranton, Pa. Consists of general remodeling and extensive alterations. Plans in progress.

Residences (17), Washington avenue and Richmond street, Scranton, \$85,000. Architect, A. J. Ward, Republican Building, Scranton, Pa. Owners, Peck Lumber Mfg. Co., 111 E. Market street, Scranton, Pa. Frame and stucco, 2½ stories, 28x34 feet, shingle roof, steam heating, electric lighting, metal lath. Plans in progress.

Picture Theatre, Olyphant, Pa., \$6,000. Architect, Louis Reisman, Dime Bann Building, Scranton, Pa. Owner, Lewis Cohen, Olyphant, Pa. Frame and stucco, 1 story, slag roof, steam heating, electric lighting, composition floors, metal lath, dampproofing. Architect has received bids.

Store and Apartments, West Pittston, Pa., \$7,000. Architects, Davey & Crothers, Coal Exchange Bldg., Scranton, Pa. Owner, Thos. R. Davis, West Pittston, Pa. Brick and steel, 2 stories, 30x60 feet, slag roof, steam heating, electric lighting. Owner is taking slb-bids.

Residence, Hazleton, Pa., \$40,000. Architect, T. H. Atherton, Coal Exchange Building, Wilkes-Barre. Owner, David Benjamin, Hazleton, Pa. Brick and stone, 3 stories, 99x49 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Architect taking bids, due February 17th. The following are figuring: Henry L. Brown, 1714 Sansom street, Philadelphia; E. T. Long & Co. and Sheppard Const. Co., Wilkes-Barre, Pa.;

S. Y. Frederick & Son and H. L. Campbell, Hazleton, Pa.

Apartments and Stores (2), Green Ridge, Pa. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owners, Suburban Realty Co., Green Ridge, Pa. Frame and stucco, 4 stories, 48x80 feet, copper store fronts, slag roof, steam heating, electric lighting, hardwood and tile floors, waterproofing and dampproofing, dumb-waiters, ventilators. Architect has received revised bids.

Garage, Scranton, Pa., \$18,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, V. A. Semrell, 529-31 Linden street, Philadelphia. Brick and terra cotta and steel, 1 story, and mezzanine, 50x120 feet, slag roof, steam heating, electric lighting, concrete floors. Architect has received bids.

Residence, Lansdowne, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, L. L. Gerstenberger, Lansdowne, Pa. Hollow tile and plaster, 2½ stories, 49x40 feet, variegated slate roof, tile work, oak floors (plumbing, heating, electric work and weather strips reserved). Revised plans in progress.

Cottage and Garage, Fort Washington, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Harry McAdoo, Fort Washington, Pa. Hollow tile and plaster, 2 stories, 17x21 feet, shingle roof, hot water heating, electric lighting, metal lath. Architect taking bids, due February 10th. The following are figuring: J. K. Frankenfield, Ambler, Pa.; W. O. Springer, 1624 Latimer street; C. E. Lloyd, Eighth and Sixty-sixth avenue, Oak Lane, Philadelphia.

Club House, Jenkintown, Pa. Architect, O. R. Parry, 1631 Chestnut street, Philadelphia. Owners, Old York Road Country Club, Jenkintown, Pa. Hollow tile or frame and plaster, 2½ stories, 44x72 feet, shingle roof, steam heating, electric lighting, tile work. Plans in progress for one wing to be used for locker rooms.

Residence, Wallingford, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 46x30 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in two weeks.

PENNSYLVANIA

Contracts Awarded

Machine Shop, Ardmore, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Jos. J. Neff, Ardmore, Pa. Brick, 1 story, 25x40 feet, slag roof, electric lighting, cement floors. Contract awarded to Caspar Bongiovanni, Ardmore, Pa.

School Building, Marcus Hook, Pa., \$33,400. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Marcus Hook, Pa. Brick, 2 stories, 45x104 feet, slag roof, slate blackboards,

metal lath (heating, plumbing and electric work separate bids). Contract awarded to J. H. Richardson, Marcus Hook, Pa.

Store (alt. and add.), Wyoming ave., Scranton, Pa., \$15,000. Architect, J. S. Duckworth, Coal Exchange Building, Scranton, Pa. Owners, Jermyn Estate, 119 Wyoming avenue, Scranton, Pa. Stone and brick, 3 new stories, 25x90 feet, steam heating, electric lighting, tile work. Contract awarded to E. S. Williams, Coal Exchange Building, Scranton, Pa.

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Garage, S. Main street, Wilkes-Barre, Pa., \$5,000. Architect, Edward N. Finch, Wilkes-Barre, Pa. Owners, Lewis Cohen & Son, Wilkes-Barre, Pa. Brick, 1 story, 45x75 feet, boiler room, 16x18 feet, slag roof, steam heating, electric lighting, concrete floors, plate glass front. Contract awarded to A. E. Hildebrand, Wilkes-Barre, Pa.

Apartment, Hancock and Market streets, Wilkes-Barre, \$12,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, stone, terra cotta and steel, 3 stories, 36x40 feet, slag roof, steam heating, combination lighting, tile and hardwood floors, ornamental

iron, dampproofing. Contract awarded to Joseph Canes, Wilkes-Barre, Pa.

Store and Apartment (alt.), N. Main street, Wilkes-Barre, \$4,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Consists of interior alterations, fireproof stairways. Contract awarded to the Shepherd Construction Co., 166 S. Franklin street, Wilkes-Barre, Pa.

Residence (alts.), Strafford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Charles W. Baily, Strafford, Pa. Stone, frame and plaster, 2½ stories, green slate roof, canvas floor, metal lath, reinforced concrete porch floor. Contract awarded to Gray Bros., Rosemont, Pa.

NEW JERSEY

Construction News

Church, Keansbury, N. J., \$20,000. Architect, W. P. Endebrock, American Mechanics Building, Trenton, N. J. Owners, R. C. Church, care John E. Murry, New Nonmouth, N. J. Brick, 1 story, 50x104 feet, slate roof, steam heating, electric lighting. Plans in progress.

Store and Loft Building, Trenton, N. J., \$15,000. Architect, W. P. Endebrock, American Mechanics Building, Trenton, N. J. Owner, name withheld. Brick and terra cotta, 3 stories, 45x82 feet, slag roof, steam heating, electric lighting, tile work, metal lath, waterproofing and dampproofing.

Factory, Trenton, N. J., \$75,000. Architect, private plans. Owners, Ajax-Grieb Rubber Co., Breunig avenue, Trenton, N. J. Brick and steel, 1 and 3 stories, 60x350 feet, slag roof, steam heating, electric lighting. Owners are building and sub-letting all contracts.

Garage, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, Roger Henry, 216 N. Broad street, Trenton, N. J. Brick and terra cotta, 2 stories, 41x118 feet, slag roof, concrete floors, metal lath (heating and electric work reserved). Architects have received bids.

Residences (4), Trenton, N. J. Architect, private plans. Owner, John Lombardi, 410 Whittaker avenue, Trenton, N. J. Brick, 2½ stories, 13x30 feet, each, slate and tin roofs, hot air heating, gas lighting. Owner is sub-letting all contracts.

Warehouse, Camden, N. J. Architects, Peuckert & Camden, 310 Chestnut street, Philadelphia. Owners, Crane & Co., Chicago, Ill. Brick, steel and concrete, 1 and 2 stories, 62x94 feet, slag roof, steam heating, electric lighting, metal sash. Architects taking bids, due February 9th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; Pomeroy Const. Co., 1609 Ranstead street; Philip Haibach Contracting Co., Twenty-sixth and Thompson streets; H. E. Grau Co., 1707 Sansom street; Frank E. Wallace, 1220 Chancellor street, Philadelphia; H. E. Baton, Twelfth and Sansom streets; War-

ren, Moore & Co., Commercial Trust Building, all of Philadelphia.

High School, Camden, N. J., \$400,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Camden, N. J. Brick, stone, terra cotta and steel, fireproof, 2 stories, 250x178 feet, composition roof, mechanical fan system of heating, electric lighting. Plans about completed. Owners will advertise for bids March 1st.

Factory, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owners, Belle-Meade Sweets Co., Trenton, N. J. Brick, steel and concrete, 1 story, 60x350 feet, slag roof, steam heating, electric lighting, metal sash, steel stack, metal lath, reinforced concrete floors, waterproofing. Plans completed. Architects ready for bids.

School Building, Trenton Junction, N. J., \$28,000. Architect, R. A. Shumann, 932 Lamberton street, Trenton, N. J. Owners, Board of Education of Ewing Township, N. J. Brick, 1½ stories, 103x105 feet, slate roof (hot air fan system of heating, plumbing and electric work separate bids). Owners ready for bids.

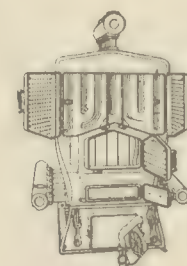
Store and Residence, Roebling, N. J., \$4,500. Architect, R. A. Shumann, 932 Lamberton street, Trenton, N. J. Owner, Lewis Lytak, Roebling, N. J. Brick, 2 stories, 17x55 feet, slag roof, steam heating, electric lighting. Architect ready for bids.

Store and Apartments, Trenton, N. J., \$6,500. Architect, R. A. Shumann, 932 Lamberton street, Trenton. Owner, Marsilio Agabiti, Trenton, N. J. Brick, 2 stories, 25x70 feet, slag roof, steam heating, electric lighting, tile work. Plans in progress.

Residences (2), Trenton, N. J., \$7,000. Architect, R. A. Shumann, 932 Lamberton street, Trenton. Owner, A. Tueci, Trenton, N. J. Brick, 2½ stories, 15x44 feet each, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Haddonfield, N. J., \$6,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Samuel M. Gass, Had-

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donfield, N. J. Hollow tile and stucco, 2½ stories, 40x30 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Architects taking revised bids, due February 12th.

Bank Building, Plainfield, N. J. Architects, Mowbray & Ufinger, 56 Liberty street, New York City. Owners, State Trust Co., Plainfield, N. J. Stone, marble, terra cotta and steel, fireproof, 2 stories, 64x50 feet, Barrett's roof, steam heating, electric lighting, metal sash, metal lath, reinforced concrete floors. Architects taking bids, due February 17th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Office Building (alt. and add.), 418 Federal street, Camden, N. J. Architect, private plans. Owners, Public Service Gas Co., Newark, N. J. Brick addition, 2 stories, 85x40 feet, Barrett's roof, steam heating, electric lighting, wire work, metal lath, waterproofing, cabinet work, fire doors, metal weather strips, marble, tile and terrazzo work, hollow tile and concrete fireproofing. Owners taking bids, due February 23rd. Cramp & Co., Denckla Building, Philadelphia, are figuring.

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NEW JERSEY**Contracts Awarded**

Pier, Wildwood, N. J. Architect, F. Witt, 569 Fifth avenue, New York City. Owners, The Casino Pier Co., care of Baker Bros., Drexel Building, Philadelphia. Frame, 150x200 feet. Will contain 6 stores, auditorium, convention and dance halls, composition roof, electric lighting. Contract awarded to Mark B. Reeves, Wildwood, N. J.

Garage, rear of 700 Chestnut street, Camden, N. J. Architect, private plans. Owner, H. Dembo, 700 Chestnut street, Camden, N.

J. Brick, 1 story, 20x20 feet, slag roof, electric lighting, cement floor. Contract awarded to S. Levy, 1001 Kaighn avenue, Camden, N. J.

Store and Residence, Ninth and Ferry sts., Camden, N. J. Architect, private plans. Owner, Mrs. Theresa Caskey, Ninth and Ferry sts., Camden, N. J. Brick, 2 stories, 16x60 feet, slag roof, hot air heating, electric lighting. Contract awarded to Peter Malinowski, 1611 Mt. Ephraim avenue, Camden, N. J.

Miscellaneous Construction News

School Annex, Akron, Ohio. Architect, T. Ralph Ridley, Akron, Ohio. Owners, Board of Education, Akron, Ohio. Brick and terra cotta, reinforced concrete floors. asphalt roof, electric lighting, mechanical fan system or steam heating, marble and terrazzo, metal lath, waterproofing, slate blackboards, iron stairs, fire doors, metal weather strips. Owners taking bids. James H. Wells, Heed Building, Philadelphia, is figuring.

Court House and Jail, Wilmington, Del. Architects, Weber, Werner & Adkins, Cincinnati, Ohio. Owners, Clinton County Court House Commissioners, ZZone Hadley, President, Wilmington, Del. Brick, terra cotta, reinforced concrete and steel, fireproof, court house, 3 stories, 145x118 feet; jail, 2 stories, 55x51 feet, composition roofs, vacuum heating, electric lighting, kalamein and metal doors, metal lath, waterproofing, marble and terrazzo work. Owners taking bids, due February 14th. In addition to those previously reported, Chas. McCaul Co., 1713 Sansom st., Philadelphia, is figuring.

Office Building (alt. and add.), Wilmington, Del. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner, architect. Brick, 3 stories, 16x70 feet, steam heating, tile roof, electric lighting, metal lath. Plans in progress.

Apartments and Stores, Wilmington, Del.,

\$30,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner's name withheld. Brick, steel and terra cotta, 4 stories, 30x70 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Plans in progress.

Residence (int. alts.), Wilmington, Del. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner's name withheld. Consists of interior alterations, mill work, electric lighting, hardwood floors. Plans in progress.

Loft Building, Wilmington, Del., \$55,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, William Badenkopf, Wilmington, Del. Tapestry bricks, terra cotta and steel, 5 stories, 80x80 feet, tin roof, steam heating, electric lighting, metal lath, metal ceilings, steel stairs, fire doors, metal sash, dampproofing, 2 elevators. Architect has received bids.

School Building, Olmsted Falls, Ohio. Architect, W. H. Nicklas, 1900 Euclid avenue, Cleveland, Ohio. Owners, Board of Education, Olmsted Falls, Ohio. Brick, 2 stories, 110x104 feet, Barrett's roof, steam heating, electric lighting, metal lath, fire doors, waterproofing, maple floors, iron stairs. Owners taking bids. James H. Wells, Heed Building, Philadelphia, is figuring.

Miscellaneous Contracts Awarded

Dairy Building, Wilmington, Del., \$20,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Clover Dairy Co., Wilmington, Del. Brick, reinforced concrete and steel, 2 stories, 68x45 feet, concrete and composition roof, steam heating, electric lighting, metal doors (plumbing, heating and refrigerating plant, architect ready for bids). Contract awarded to W. D. Haddock

& Co., 804 Grange street, Wilmington, Del.

Residence (alt. and add.), Holly Oak, Del., \$5,000. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, John Mullen, Holly Oak, Del. Stone, 2½ stories, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to J. R. Stevens, 226 West Seventeenth street, Wilmington, Del.

MARYLAND**Construction News**

Residence, Stevenson, Md., \$9,000. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owner, Joseph P. Kennedy, Charles and Wells streets, Baltimore. Hollow tile and plaster, 2½ stories, 22x66 feet, shin-

gle roof, hot water heating, electric lighting, tile work, hardwood floors. Architect taking revised bids. The following are figuring: Cowan Building Co., 106 West Madison street; W. E. Harn Co., 213 North Calvert street;

Henry S. Ripple, 7 Clay street; J. L. Robinson Const. Co., Knickerbocker Building; Edward Brady & Son, 1113 Cathedral street, all of Baltimore.

Factory Building, Havre de Grace, Md. Architect not yet selected. Owners, Maryland Metal Crosstie Co., 627 Munsey Building, Baltimore. Concrete and steel, 400x200 feet, 1 story. Details not yet decided. Owners will soon have plans prepared.

Residences (123), East Baltimore, Md. Architect, E. J. Gallagher, Jr., Munsey Building, Baltimore. Owners, E. J. Gallagher Realty Co., Munsey Building, Baltimore. Brick, 2 stories, 12x44 feet each, slag roofs, hot water

heating, gas lighting. Owners sub-letting all contracts.

Branch Library, Twentieth and Wolfe sts., Baltimore, \$20,000. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owners, City of Baltimore, City Hall, Baltimore, Md. Stone, brick and steel, fireproof, 1 story, slate roof, steam heating, electric lighting, tile and marble work. Plans in progress.

Passenger Station, Tome, Md. Architect, private plans. Owners, Philadelphia, Baltimore and Washington Railroad Co., care of J. C. Auten, assistant engineer, Wilmington, Del. Granite, 1 story, red slate roof, steam heating, electric lighting, tile work. Plans in progress.

MARYLAND

Contracts Awarded

Office Building, Lexington and Liberty sts., Baltimore, \$1,000,000. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, Public Service Building Co., Baltimore, Md. Brick, granite, terra cotta and steel. 20 stories, 120x84 feet, composition roofing, steam heating, electric lighting, tile and marble work, metal sash, metal doors, vacuum cleaning plant, 9 elevators. Contract

awarded to J. Henry Miller, Eutaw and Franklin streets, Baltimore, Md.

Packing Plant (add.), 350 and 352 North Holliday street, Baltimore. Architect, Charles M. Anderson, 324 North Charles street, Baltimore. Owners, Kingan Provision Co., on premises. Brick, 2 stories, 52x86 feet, slag roof, cement floors, electric lighting. Contract awarded to J. J. Moylan, 117 East Centre street, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Herman Bros. (O), 6019 Market street. Cost, \$128,100. Fifty-six dwellings, brick, 2 stories, 15x38 feet, Fifty-fifth and Delancy streets.

Chas. M. Stroman (O), 2724 North Fifth street. Wm. A. Margerover (C), 1500 Ruscomb street. Cost, \$36,000. Twelve dwellings, stone and brick, 2 stories, 15x44 feet, Sixteenth and Ruscomb streets.

Alfred Steinhauser (O), 5438 Fairhill street. Cost, \$35,300. Fourteen dwellings, brick, 2 stories, 15x41 feet, Seventh and Tabor road.

Jas. B. Gillies (O), Broad and Susquehanna avenue. Fischer Bros. (C), 3139 North Nineteenth street. Cost, \$4,300. Warehouse, brick, 2 stories, 39x44 feet, 2324 North Sydenham street.

Henry J. Tunstall (O), 1116 Blegh street. F. Washington Hall (C), 1332 Ordre street. Cost, \$2,700. Dwelling, brick, 2 stories, 16x53 feet, Cottman and Oxford streets.

Brown & Co. (O), 2422 South Seventh street. Cost, \$11,200. Four dwellings, brick, 2 stories, 16x40 feet, Sixty-seventh and Elmwood avenue.

C. K. Rightly (O), 7036 Woodland avenue. Cost, \$23,000. Eleven stores and dwellings, brick, 2 stories, 15x38 feet, Sixty-fifth and Greenway avenue.

John H. McClatchy (O), Land Title Building. Cost, \$27,700. Twenty-two dwellings, stone and brick, 2 stories, 16x45 feet, Morris and Abbottsford streets.

A. Sharp (O), 5237 Baltimore avenue. Cost, \$8,000. Garage, brick, 1 story, 100x125 feet, Baltimore and Thomas avenues.

Morris L. Miller (O), Commonwealth Building. Cost, \$28,200. Twenty dwellings, brick, 2 stories, 14x33 feet, Twenty-ninth and Wishard streets.

Morris Estate (O), Overbrook, Pa. Alfred James (C), Bala, Pa. Cost, \$9,200. Dwelling, hollow tile, 3 stories, 40x50 feet, Seventieth and Overbrook avenue.

Mary B. Holgate (O), 4404 Walnut street. H. P. Schneider (C), 3713 York road. Cost, \$2,700. Dwelling, 2 stories, 17x38 feet, 1116 W. Silver street.

A. H. Prentzel (O), Johnson and Sherman streets. Cost, \$16,000. Four dwellings, stone and brick, 3 stories, 21x40 feet, Johnson and Sherman streets.

Morgenthaler Co. (O), Second and Jackson streets. Koelle Speth Co. (C), Twenty-sixth and Oxford streets. Cost, \$2,500. Machine shop, brick and concrete, 2 stories, 36x40 feet, Second and Jackson streets.

Consolidated Ice Co. (O), Bodine and Dauphin streets. Turner Concrete Steel Co. (C), 1713 Sansom street. Cost, \$11,000. Ice mfg. building, Bodine and Dauphin streets.

John Rabbitt (O), 3535 New Queen street. J. J. Hurley & Co. (C), 5516 Cresson street. Cost, \$400. Dwelling, 3535 New Queen street.

A. T. Baker Co. (O), Fountain and Nixon streets. H. E. Keinnick (C), Drexel Building. Cost, \$1,080. Stacks, Fountain and Nixon streets.

C. A. Burger (O), 2248 N. Broad street. Matthew Morrison & Sons (C), 2322 North Howard street. Cost, \$575. Store and dwelling, 2248 N. Front street.

Domenico Sciairo (O), 1156 South Ninth street. Antonio Narrello (C), 937 Federal street. Cost, \$500. Store and dwelling, 1148 South Ninth street.

I. H. R. Archer (O), 2234 Georges lane. Wm. J. Gruhler (C), 219 High street. Cost, \$3,000. Garage, 2234 Georges lane.

Board of Education (O), Land Title Building. Cost, \$1,000. School house, Nineteenth and Chestnut streets.

John H. Hackman (O), 907 W. Lehigh avenue. Wm. H. Ashton (C), 5618 N. Second street. Cost, \$500. Dwelling, 907 W. Lehigh avenue.

P. R. Co. (O), Broad St. Station. Cost, \$2,500. Station, Thirty-second and Market streets.

G. Cleinger (O), 1607 N. Second street. J. Gotheringham (C), 3367 Frankford avenue. Cost, \$300. Store and dwelling, 1607 N. Second street.

Germantown Trust Co. (O), Germantown and Cheltenham avenues. J. Y. Loux (C), 1121 Rising Sun lane. Cost, \$3,500. Store, 12-16 Cheltenham avenue.

Thomas C. Burnbaum (O), 1204 Chestnut street. Lam Building Co. (C), 1001 Wood street. Cost, \$700. Store, Thirteenth and Sansom streets.

John Whittaker (O), 1228 S. Sixty-ninth avenue. Harry Brocklehurst (C), 512 West Norris street. Cost, \$400. Garage, 1228 S. Sixty-ninth avenue.

D. F. McAllister (O), 1343 S. Twentieth street. Geo. Hill (C), 2248 Wharton street. Cost, \$1,200. Stable and dwelling, 1935 Reed street.

Philadelphia Coppersmithing Co. (O), 222 N. Front street. Cost, \$6,000. Machine shop, 222 N. Front street.

Horace Platt (O), 5548 Ridge avenue. C. O. Struse & Sons (C), Manayunk, Philadelphia. Cost, \$750. Manufacturing building, Main and Harvey streets.

Alice W. Strawbridge. Smith-Hardican Co. (C), 1605 Cherry street. Cost, \$600. Office building, Fifteenth and Walnut streets.

Zimmerman Hardware Co. (O), 431 Market street. Brownsworth & Co. (C), 1611 Sansom street. Cost, \$300. Manufacturing building, 431 Market street.

Lawrence & Son (O), 1226 Point Breeze avenue. Basch & Co. (C), 1426 S. Front st. Cost, \$750. Store building, 1226 Point Breeze avenue.

City of Philadelphia (O), Philadelphia. E. Clifford Durell (C), 1713 N. Twenty-fourth street. Cost, \$1,500. Fire house, 319 Delancy street.

Wm. Hitchner (O), 1300 Wyoming avenue. E. H. Sturtz (C), 2614 Ridge avenue. Cost, \$650. Garage, 1300 Wyoming avenue.

Antonio Masino (O), 1615 Christian street. John Maginnis (C), 514 Walnut street. Cost, \$8,500. Tenement house, Ninth and Fitzwater streets.

John Gimpel (O), Oxford and Second sts. P. B. Lordin (C), 3826 Germantown avenue. Cost, \$1,200. Stable, 1635 N. Second street.

Levick & Waldow (O), 1829 S. Seventh street. J. Didapsky (C), 2037 S. Eighth st.

(Continued on page 114.)

Alterations and Additions

John Doe (O), Philadelphia. John Ahrends (C), 1726 N. Warnock street. Cost, \$500. Dwelling, 1801 N. Park avenue.

J. Paul (O), 417 N. Forty-fifth street. Lam Building Co. (C), 1001 Wood street. Cost, \$435. Dwelling, 714 N. Forty-fifth street.

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Editorial Comment

A note of warning is sounded by Francis N. Howland, President of the Building Material Dealers' Association of New York, touching the depressing effect likely to be shown in the volume of spring building as a result of the advancing prices of materials.

Mr. Howland takes the ground that the trade will be wise to resist advances not absolutely warranted by the law of supply and demand for the reason that any other policy must in the end defeat its object by greatly curtailing the activities of the speculative element.

"The manufacturers of building materials ought not be deluded by appearances of present building prosperity," says Mr. Howland. "It is still in the middle of winter and while the inquiry is good the prospective builders for the most part are merely feeding the market. High prices of building materials will be sure to frighten off the speculative builder and the big operator who contemplates construction is going to be tied up by non-arrival of steel and other metals entering into big building construction. It is all right to excuse the present tendency to inflate market prices of building commodities on the plea that supplies are low, labor is costing more and fuel is costly and has to be laid in now to anticipate possible coal shortages in the spring, but unless the manufacturers heed the advice of wise heads among them they are going to stifle what building demand does exist and will end by having their stocks on their hands.

"We have an operation on Twenty-eighth street that was started last September, but we have not been able to get a pound of steel to the job since then. That is only one instance, but it shows just what is happening in all departments of construction. It is no time to check building. Quite on the other hand it would be most advantageous all around to meet the situation half way."

* * *

That no abatement in the tide of structural activity exists here in Philadelphia is shown by the report, from official figures, for the first month of 1916, just issued by the local Bureau of Building Inspection.

This report shows the total estimated cost of buildings for which permits were issued during the month to have been \$1,859,000, an increase of \$948,285 over the figures of the corresponding month of 1915. It is pointed out that inasmuch as these totals do not include the cost of many items omitted from general contracts, the actual value of the work for January of the present year may exceed \$2,000,000, a most auspicious beginning for mid-winter.

Then, again, the report points out, there were no permits issued for exceptionally large amounts. There were 513 permits for buildings of all types, and well distributed through-

out the city, a condition which is always beneficial to the trade in general.

The figures for last month not only compared very favorably with those for January, 1915, but ranked fourth in comparison with the corresponding months in previous years since 1906, and were only exceeded in 1907, 1910 and 1911.

* * *

Sustaining, you will observe, "The Guide's" oft-repeated assertion that this good old Quaker City is one of the greatest building centers in these United States, and is destined so to remain for many years to come.

* * *

Mr. Joseph Pennell has been discussing the architectural aspect of New York City with characteristic freedom and breeziness.

"Always I love to get the composition coming up the bay," says Mr. Pennell. "This year, however, there is no composition for me, for with the great new square boxes on either side the silhouette is hidden, though the canyon of the street grows finer and finer. The Singer Building has disappeared and the Woolworth Building has lost its towering majesty. In these subjects you must, or I must, see buildings as masses that lord it over the rest.

"But this is a time of levelling up or down; a time of the contractor, and a time for the town planner, the commonplace jerry builder, the vulgar machine made architect who would reduce everything to his own office space ideal, which is that of his patron. So this year from the bay New York is uninteresting; it is all big—all a level line—it does not climb and soar, as it did a couple of years ago. I have been drawing and etching these subjects coming back again and again with a fresh eye—and I know."

Apparently Mr. Pennell only goes away in order to come back with the fresh eye.

"But New York does strike the foreigner. Down Broadway there are endless new subjects. Stand, for instance, at the upper side of City Hall Square on Broadway and look south and you will see, or you can see, my design of the Woolworth Building. Now I know all of old Europe, the parts that are left and the parts that are gone, and there is nothing, there was nothing, to compare in grandeur and majesty with this vista down Broadway. Were it somewhere in Europe every one would be staring at it—ogling it—patronizing it—saying the correct things in the guide book about it—things that ought to be said. Here the guide book says nothing, and save for John Van Dyck and a few others who have imitated him no authors have dared to say anything. The cultured tell me I have made Broadway look very fine. Broadway to those who can see is the finest street in the world."

Pennell's reference to "the vulgar, machine-made architect who would reduce everything to his own office-space ideal, which is that of his patron," is all very well from the artist's point of view, but what, pray, is the architect to do? Assuming that he is not "vulgar" and not in the least "machine-made," can he be expected to induce the hard-headed investor in skyscraper construction that sky line and beauty and art and irregularity of outline are the main desiderata and that office space and the utilitarian sides of the project are of wholly subordinate importance? Would he get the commission if he did, There is a side other than the purely artistic to the work of the architect, be his ideals what they may. Buildings that "climb and soar" are beautiful in their way, but, unhappily, they cost millions to construct, and the men who disburse these millions do not, as a rule, share the Pennell enthusiasm for the etching possibilities of the finished effect.

* * *

Commenting on the Pennell observations, the New York "Sun" remarks:

"All this is very encouraging and reassures one after the rather depressing remarks

Mr. Pennell made in the beginning. We wish the sky line might have lingered a little while just in the way that Mr. Pennell liked it, but since the commonplace jerry builders and the vulgar machine-made architects had to go and spoil it, it is a consolation to know that at least we have one vista grander and more majestic than any that is or ever was in Europe. The New York guide books have, as Mr. Pennell says, been far too modest, but perhaps this reticence has been inspired by fear of the marauding jerry builders who destroy vistas often before they can be etched. What are jerry builders?"

* * *

Until February 7 there was on view in the studios of the National Society of Craftsmen a series of three panels—"Painting, Architecture and Sculpture"—by J. William Fossdick, to be placed in the grill room of the National Arts Club; also a group of three Flemish heads for an overmantel decoration. Mr. Fossdick's decorations are painted wood, the wood having been first slightly carved, tooled and in some cases raised with gesso. They are executed in the spirit of the early European panel painters.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****THE NINTH CHICAGO CEMENT SHOW** will be held at the First Infantry Armory and the Coliseum, Chicago, from February 12 to 19, 1916. It was necessary to lease the Armory, as all space in the Coliseum had been assigned last February. The Second National Conference on Concrete Road Building will be held at the Auditorium Hotel from February 15 to 18, in connection with the Show. The Cement Products Exhibition Co., 208 South La Salle street, Chicago, has charge of the exhibition.

****BLAINE S. SMITH**, general sales manager of the Universal Portland Cement Co., was elected general secretary of the Chicago Association of Commerce at the annual meeting of that organization held December 8.

****A CONVENTION OF SPECIAL INTEREST** to brick manufacturers will be held at Reading, Pa., on March 9 and 10. It is the annual meeting of the Pennsylvania Housing and Town Planning Association at which Governor Martin G. Brumbaugh and Dr. Samuel G. Dixon, State Health Commissioner, will deliver addresses. Indications point to this convention as being one of the largest held in Reading for some years, as delegates from every section of the State will be present. The sessions will be devoted to the discussion of three topics—housing, health and city planning.

****THE NATIONAL FIREPROOFING CO.**, Pittsburgh, Pa., has decided to list its shares on the New York Stock Exchange, thereby securing a wider market for its securities. One of the requirements of this listing is that stock certificates shall be interchangeable between New York and Pittsburgh, and in order to have the shares listed, it was necessary to have new stock certificates engraved. The company has announced that, if stockholders desire to secure interchangeable certificates, they must present the ones now held to the transfer agents, the Commonwealth Trust Co. of Pittsburgh or the United States Mortgage and Trust Company of New York.

****ACCORDING TO STATISTICS** prepared by William Gamble, of the Bureau of Building Inspection, Philadelphia, the cost of building operations in that city during 1915 exceeded those of the previous year by \$2,500,000. The total estimated cost of all building work during November is \$2,408,665, showing a decrease of \$572,000 as compared with the figures for the previous month and an increase of \$1,168,135 over the corresponding month of 1914. The first eleven months of this year show expenditures for building operations of \$36,841,055, an increase of \$2,682,800 over the corresponding period of 1914. November of this year represented the third largest amount since 1905.

****THE EASTERN PENNSYLVANIA STATE BUILDERS' SUPPLY ASSOCIATION** will hold its annual convention in Philadelphia, Pa., during April, 1916.

****THE AMERICAN ENAMELED BRICK AND TILE CO.** announces the removal of its general offices to the Vanderbilt Concourse Building, 52 Vanderbilt avenue, New York City, where the Hay Walker Brick Co. will occupy adjoining offices. Andrew A. Ayers and William G. Black, formerly of Carter, Black and Ayers, will be associated with Robert L. Findlay in the last named concern.

****R. THOMAS SHORT**, for the last fifteen years associated with Herbert S. Harde, under the firm name of Harde & Short, with offices at 3 West Twenty-ninth street, has opened an office for the independent practice of his profession at 370 Macon street, Brooklyn. Herbert S. Harde is now located at 17 West Forty-fourth street, Manhattan. As a firm, Harde & Short planned a number of high class apartment houses in this city, among which the Turrets, Red House, Alwyn Court and the Parkview are notable examples. Mr. Short was the architect for model tenements erected by the City & Suburban Homes Co., the Tenderloin Police Station, the White Rats' club house and other well-known buildings. During the last few years Mr. Short has confined much of his activity to Brooklyn projects. His recent work includes the Shubert, DeKalb and Halsey Theatres, Kismet Temple, Bushwick Temple, Arcadia Dance Hall, Broadway Sporting Club, and a number of high class moving picture houses.

****AT A SPECIAL MEETING** of all Cleveland brick interests recently, Charles J. Deckman, of the Deckman-Duty Brick Co., was appointed chairman, and L. B. Koblitz, of the Americana Building Brick Co., secretary of a committee which will prepare an elaborate program for the entertainment of the delegates to the National Brick Manufacturers' Association convention, at Hotel Statler, February 20 to 26, 1916.

****ARCHIE REID**, OF NEWARK, N. J., newly elected president of the Face Brick Dealers' Association of America, has reorganized his Philadelphia business, making it a stock company. The concern will hereafter be known as A. S. Reid & Co., Inc., and offices will be maintained in the Morris Building, as heretofore. The officers of the new company are A. S. Reid, president; James T. Reid, vice-president; James Tongue, treasurer, and W. H. Gaul, secretary.

SOME MORE ADVERTISING "DON'T'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



ALTERATIONS AND ADDITIONS.

(Continued from page 111.)

Cost, \$900. Store and dwellingis, Seventh and Snyder avenue.

Robert Ragan (O), 1748 N. Twelfth street. Cost, \$500. Garage, 1746 N. Twelfth street.

Lawrence & Son (O), 1226 Pt. Breeze ave. John Uber (C), 2230 S. Beechwood street. Cost, \$700. Department store, 1226 Pt. Breeze avenue.

Newton & Jackson (O), Tenth and Oak Lane avenue. J. Newton White (C), Mill and Sunny road, Oak Lane. Cost, \$785. Dwelling, Tenth and Oak lane.

Board of Education (O), City Hall, Philadelphia. Asbestos Const. Co. (C), 1316 North American Building. Cost, \$9,200. Four portable schools, Hedge and Oxford streets, Fifty-seventh and Haverford avenue, D and Clearfield streets (2).

Robert C. Adams (O), 1844 Thompson street. Hugh Hazlett & Sons (C), 1701 N. Twentieth street. Cost, \$525. Dwelling, 1223 N. Nineteenth street.

Jas. Buckley (O), 1713 S. Fourth street. Frank A. Stoll (C), 1432 Germantown avenue. Cost, \$675. Saloon, Eleventh and Shunk sts.

Hulton Printing Co. (O), 3851 Frankford avenue. Geo. A. Thirsk & Sons (C), 4104 Orchard streets. Cost, \$500. Factory, 3851 Frankford avenue.

Gulf Refining Co. (O), Morris Building. Scott W. Hahn (C), Glenside, Pa. Cost, \$1,150. Storage, Broad street and Hunting Park ave.

A. F. Wilday (O), 3834 Haverford avenue. Harry Gibson (C), Haverford avenue and Union street. Cost, \$300. Machine shop, Haverford avenue and Union street.

John Siefert (O). Herman Goldner (C), 425 W. Lehigh avenue. Cost, \$350. Baker shop, Twenty-ninth and Master streets

H. King and Harry Sadjian (O), 52 N. Sixtieth street. Cost, \$400. Store, Fifty-seventh and Vine streets.

Jacob Bros. (O), Broad and South streets. Lam Building Co. (C), 1001 Wood street. Cost, \$500. Store, 1419 South street.

Don't knock. Boost! Don't grouch. Smile! Don't mope. Advertise!

BUSINESS CONDITIONS AFTER THE WAR.

Judge Gary, of the United States Steel Corporation, Reviews Possibilities in the Wake of a Sudden Peace.

Judge Elbert H. Gary, president of the United States Steel Corporation, in a statement to the press issued recently, calls the attention of American business men to existing conditions and to what, in his opinion, may occur after the war ends. In brief, he advises the mercantile, commercial and industrial interests of the United States to be prepared for a sudden peace, pointing out that the belligerent nations abroad are rapidly reaching a condition of anaemia that sooner or later will sap their strength and will enforce a termination to the struggle, perhaps before diplomatic exigencies may warrant it. He says:

"What of the future? Who can say with any feeling of certainty? It may be very dark and desperate. It will be thus in Europe, and we in America will feel the effects to a greater or lesser extent. I am referring now only to economic features.

"The destruction of billions upon billions of property in any country must necessarily affect in some degree all other countries. The economic conditions in the United States may and should be good in a long future, with usual interruptions, if we are fully alive to our opportunities.

"I believe the wars of Europe will not be so long protracted as many, if not most, men predict. This opinion is based principally upon two grounds:

"In the first place, it seems apparent that little, if any, benefit to any belligerent country, or to the world at large, can result from the war except and unless it be the firm establishment of an international tribunal for the settlement of all international differences; one that is universal and practical and whose decrees are enforceable; one that will prevent the prolongation of wars in the future.

"The other ground for my belief is that each of the warring nations is starving for men and money both. They do not admit it, but the signs are plenty and convincing. Any nation that is prolonging the war beyond the time when it can be reasonably and honorably discontinued is slowly but surely committing suicide.

"But whenever the war shall close the business of this country will be confronted with new conditions. The purchasing power of the whole world will have been greatly reduced. Foreign countries who are now buying our products because compelled will withdraw their patronage in a large measure. Other non-producing countries will find their financial resources and credits lessened. More than this, foreign producers in great need, will strive more diligently than ever to supply the countries that are financially able to pay, and at prices based upon cheap labor

and low cost, as they have a perfect right to do. Our producers, including our wage earners, will find themselves in commercial antagonism with the most persistent and difficult competition ever experienced unless this shall be prevented by laws that are reasonable and sufficient.

"Another suggestion: We must be prepared for radical changes in volume, in prices and resources. There is danger of overproduction, overextension of credit and liabilities, overconfidence. Circumstances change like a kaleidoscope. We have observed this before and we shall see it again."

BUILDING OUTLOOK IN NEW YORK

Live Operation Contracts Worth \$20,000,000, or Twice as Much as a Year Ago.

Unless all signs fail, 1916 is to be a record-breaking year in the building trades in New York City, in the opinion of Franz Neilson, secretary Credit Association of the Building Trades of New York. The financial situation has righted itself, he says, and is growing better every day.

"Money is easy, and, fortunately, it is not seeking highly speculative outlets, in spite of the allurements offered by those who speak glibly of 'war brides' and 'war babies.' Investors are turning to real estate, which is one of the best indications that we have at least a decade of uninterrupted prosperity before us.

"The demand for new buildings continues to grow, the result being that contractors, sub-contractors and material men in this city are more busy than before in at least eight years.

"Figures are difficult to obtain, but I believe that at least \$20,000,000 in building operations in New York can be classed as alive at this time. This is almost, if not quite, 100 per cent. better than the record of a year ago."

"The members of the Credit Association of the Building Trades are all enthusiastic in their confidence. The only thing they demand to make themselves secure in the future is legislation to correct the evils of the present lien laws of New York, and to protect honest business men against the use of the second and third mortgage by speculative and dishonest builders. We are going to Albany with a demand for proper legislation, and we are going to have behind us a much stronger organization than ever before. About 150 sub-contractors and material men who were not members of the Credit Association have joined us during the last month for no other reason than their desire to make certain the protective laws for which we are working."

Don't expect outsiders to give you a big rating on a one-inch space.

WHAT CITY MANAGERS DO.

About forty-five American cities have so far adopted the commission-manager plan of government. The "American City" recently printed the portraits of twenty-nine city managers with brief biographical data, from which it appears that sixteen of the twenty-nine are engineers, one was a real estate agent, one was a fire insurance man, one a ranchman, another a school principal, one a court clerk, one was an auditor, one was connected with the Bureau of Municipal Research in New York City and several were managers of works.

The city manager is the administrative head of the municipal government under the direction and supervision of the commission. He may not hold any other office or employment, except that of notary public, nor be interested in the profits or emoluments of any contract, job, work, or service for the city.

He is vested with power to appoint and remove officers and members of all boards and commissions, heads of departments, and all subordinate officers and employees of the city, except as otherwise specified. All officers appointed by the city manager serve until removed by him or until their successors are appointed. It is his duty:

To prepare an annual budget and keep the commission advised of the financial condition and future needs of the city.

To install a complete and practical system of municipal accounting, with the proper system of checks between the various departments.

To take active control of the fire, police, sanitary, charitable and public works departments of the city, and to engage such assistants therein as are provided for in the charter or ordinance.

To supervise, under the direction of the commission, the administration of the affairs of the city.

To revoke licenses, pending the action of the commission.

To administer oaths and take affidavits.

To sign such contracts, deeds and other public documents on behalf of the city as the commission may authorize and require.

HOW A BOILER IS INSPECTED.

Few people have any conception of how thoroughly the process of examining steam boilers is carried on by the insurance company transacting boiler insurance. It would seem impossible that anything but an external examination, and a very superficial one at that, could be made of the average boiler.

The man who is intrusted with this important work, for upon the accuracy of the inspector's report hangs the whole fabric of boiler insurance, is usually a man of small stature. Having enveloped himself in complete overalls, with the exception of his face, hands and feet, he enters the boiler through the front manhole, sounds with hammer the shell and tubes and all braces which can be reached from that point, examines also the condition of the shell and tubes as to cleanli-

ness. He then emerges and enters the boiler again through the top manhole, sounding the shell, tubes and braces, which can be reached from that point.

Emerging from the manhole the inspector crawls beneath the boiler through the furnace doors, sounding the shell again as far as can be reached from the outside or on the side that is exposed to the flames and heated gases.

When finished at this point, he enters the back connection from the rear door, examining all points from there. The front and rear tubes as far as they are exposed and the blow-off pipes and all connections to the boilers are next examined, and when this has been completed the brickwork and setting are gone over carefully. The steam gauges are then tested and the general external conditions noted and carefully reported in detail.

When a boiler has come through such a crucial test as this successfully, it is safe evidence that its soundness is beyond cavil. It is only such a test as this that can stand, and it behooves all users of power to avail themselves of this safeguard. A boiler which is an unknown quantity is a terrible menace to life and property, and however capable the engineer, such supervision as is described would seem to be imperative, not only from a moral standpoint, but also from that of pecuniary interest.—"Commercial Bulletin," (Cleveland).

"COUNTRY PLANNING."

A new term has been written into the lexicon of architecture to signalize the birth of a new profession. Country planning, by which is meant the application of scientific principles to the conservation and betterment of public and private property in the country, has been taken up by a number of universities within a recent period and made the subject of lectures by professors from these seats of learning at teachers' and farmers' institutes in various States. It is the first intelligently directed movement for the physical improvement of rural townships as a whole.

Country planning is something more than the alter ego of city planning; it is something more than that composite of art, arboriculture and engineering which since Downing's time has been designated "landscape architecture." Country planning comprehends all these and has taken in also the essential principles of a number of amateur movements having for their general object the improvement of country life. It substitutes expert advice for merely food intentions. It develops and disseminates standards of design and construction for roads, playgrounds, schools, churches, town halls, cemeteries and home surroundings for the benefit of communities having the desire and the means to work them out. Prof. Waugh, of the Massachusetts Agricultural College, and Prof. Blair, of the University of Illinois, who described the movement before the City Club here on a recent evening, made it plain that the new science will have a broad application, one which will

not stop at city boundary lines.

A cardinal principle of country planning is that beauty is not measured by cost and should be obtained through simple means. This doctrine of simplicity and economy presumably accounts for a great deal of the popularity of the movement with country people. They are taught that good white lead is the best paint for the country home, for both appearance and wear; that if the blinds of a white house are painted green there will be sufficient relief and contrast; that the house should have broad, spreading lines; that it should be wider than it is high, because such proportion is in harmony with the amplitude of the country, and that every foot of height of ceiling calls for another ton or cord of winter fuel. If one can afford to ornament, he is advised that his means should go into broader eaves, ample fireplaces and good workmanship. Other keys to attractiveness for the farm home, as taught by the country planners, are: The place must be well clothed with trees and shrubbery; the house should be prominent and have a good setting; the trees grouped at the sides or rear and not scattered all over the place; no unnecessary fences, walks or drives; no rockeries, shells or statuary.

If the propaganda has its expected effect there will not merely be an improvement in the appearance of home farms, but also official action by town and village boards looking to the preparation of plans and specifications for such improvement of the public thoroughfares as a moderate tax roll will warrant for the present and future. We have seen in this State since the good roads were built a remarkable change for the better in the appearance of individual homes, but public improvements in the rural towns have been rare. This omission is mainly chargeable to the lack of good teaching in the past. Town boards have yet to learn how they can hedge their roadsides, emphasize the natural beauties of the landscape and indirectly add to the value and marketability of their real estate.—New York "Real Estate Record."

ADVANTAGES OF WINTER BUILDING.

In a circular published by the Detroit Steel Products Company, advocating a campaign for more building in the winter time, the writer says, among other things:

"The question of winter building is one that of necessity must be decided by the owner himself and he is generally not sufficiently informed to take the chance. All kinds of mason work are now carried on successfully at all times during the winter. Buildings of reinforced concrete, depending almost entirely upon concrete for support, are erected in the dead of winter. Mortar will not set as rapidly in winter as in summer, but mortar used in winter will become more durable than mortar used in summer. One reason for this may be that brickwork laid in summer absorbs the moisture from the mortar before it has had time to set.

"It is an accepted opinion of the public

that contracts for winter work can be let at a lower price than at any other time of the year; all things being normal. It is probable that about 10 per cent. of the cost of the building can be saved if contracts are let during the winter.

"The man who erects his building in the winter has the advantage of securing the higher class of workmanship represented by the more competent mechanics who are kept on the payroll during that period. Furthermore, as the contractor and architect are not rushed with the same amount of work as in the summer, each can devote more of his individual time to the construction of the building.

Better Woodwork is Possible.

"All woodwork which enters into construction of a building is far superior when installed during cold weather, the atmosphere being much dryer than in summer. Much of the moisture in the form of rain which is absorbed by the rough woodwork during warm weather, becomes snow in winter and is easily cleaned off before any material damage can be done. The moisture absorbed by the rough woodwork in summer will not dry out until some time after the building is completed and decorated. When this moisture dries out floors and partitions often settle, causing cracks and other defects.

"One of the greatest objections to summer building is the absorption of moisture from the air by the interior wood finish. This interior finish is one of the most important features of a building, and greater care and skill must be employed in its installation than with any other part of a building. It is always subject to more close inspection as long as a building stands, and it is important that every precaution should be employed to preserve the highest class of workmanship in the building as a whole. The moisture absorbed by the finish woodwork in summer will dry out later and cause joints to open, doors to shrink, panels to crack, and the work to assume the character of a building that literally has been thrown together. On the other hand, heat is maintained in the building erected in the winter, and, as a result, moisture is kept out and the finish remains in a first class condition."

TESTS OF HOLLOW BUILDING TILE.

Tests of hollow building tile have been made by the United States Bureau of Standards. A floor slab 6 feet wide and 30 feet long continued over three piers 15 feet apart was made of this class of material. This tile is of a special type for use in floor slabs and is made so that the bottom surface is about 2 inches wider than the top. In laying the tile in the form of a slab, the pieces touch on the bottom, but are about 2 inches apart at the top. This space continues throughout the length of the slab and is filled with a mortar of the composition of one part of cement and two of sand, in which are placed several reinforcing rods bent up at the ends of the slab

and continued through the concrete beam into the next adjacent slab.

In the present case the two slabs were allowed to age for one month. Tests were made of these, loaded uniformly with pig lead, numerous deflection readings being made as different loads were applied. One of the slabs failed at about 603 pounds per square foot. The other was able to withstand a slightly greater load, 690 pounds per square foot. Failure occurred in the mortar beams, due largely to the inferior grade of reinforcing used.

ELIMINATING THE DULL SEASON.

Many a man has made a success in business because he has gone ahead on the supposition that there is no such thing as an "off season."

Winter, since the year one, has been the "off season" in the building trades, but a few enterprising architects and contractors promise to put a few cracks in the precedent by showing that winter in some respects is a better time to build than the summer.

"Printers' Ink," the advertisers' journal, tells of a certain steel products company, making steel sash, which has secured opinions from 6,000 architects in the country on the question of winter building.

A New York architect stated: "We make it a habit to build in the winter time because the last building we erected then was built at approximately ten per cent. reduction in the cost of materials and labor."

Half the architects expressed themselves as favorable to the proposal and the company is now directing all its advertising toward persuading builders to release contracts at once instead of waiting for warm weather.—"Ohio Architect"

BUILDING INSPECTORS' CONFERENCE.

The Conference of Building Commissioners and Inspectors, whose first meeting in New York last May proved so successful, plans to meet this year in Chicago in connection with the meeting of the American Concrete Institute and the Cement Show, on February 14 and 15. The Building Inspectors' Conference proper will take place on Monday, February 14, including both morning and afternoon sessions. On Tuesday, February 15, is planned a joint meeting with the Concrete Institute, whose program will comprise subjects of particular interest to building officials, including building code requirements for flat slab and other reinforced concrete design.

The program on Monday, like that of last year, will be a series of informal "round table" discussions. Each subject after a short introductory talk, will be open for general discussion which will enable each official to present his own experiences and problems. Everyone who attended the meeting last year agreed that this interchange of information was most valuable. The building official is continually confronted with new questions

on which he can often obtain little help in his own community and it is of the greatest benefit to him to learn how the same questions have been handled in other cities.

Executive Committee: Rudolph P. Miller, New York, chairman; V. D. Allen, Cleveland; James G. Houghton, Minneapolis; S. A. Dies, Pittsburgh; N. A. McIver, Edmonton, Alberta; Sidney J. Williams, Madison, Wis., secretary.

BEAUTY IN COMMON PLACES.

At a luncheon of the School Art League in New York, Dr. Hamilton Wright Mabie said: "You will never have an art age in America until you have art in the kitchen. The Japanese have the sublime art inspiration because they pay attention to the beauty of every-day utensils. In Japan every little farm and village rivals in beauty the national palace and suggests in miniature that exquisite charm which gives us such pleasure. My plea is for more art in the common places."

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 27, 1916.—Sealed proposals will be opened in this office at 3 P. M. February 17, 1916, for the construction of an extension to the power house in connection with the Experiment Station, Bureau of Mines, at Pittsburgh, Pa. Drawings and specifications may be obtained from the superintendent of construction, 4902 Forbes street, Pittsburgh, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 25, 1916.—Sealed proposals will be opened in this office at 3 P. M., March 7, 1916, for the construction complete (including mechanical equipment and approaches) of the United States post office at South Bethlehem, Pa. Drawings and specifications may be obtained from the custodian of site at South Bethlehem, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 31, 1916.—Sealed proposals will be opened in this office at 3 P. M., February 29, 1916, for alterations to the United States post office and courthouse at Martinsburg, W. Va. Drawings and specifications may be obtained from the custodian at Martinsburg, W. Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co.....Bourse Bldg., Phila.
John B. Rulon.....1355 Colwyn st., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Blue Prints.

Chas. H. Robbins.....125 S. 11th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins.....125 S. 11th st., Phila.

Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

Brick Renovating.

Adolph Christensen.....1433 Brown st., Phila.
John Gallatig447 W. Dauphin st., Phila.

Builders.

James P. Farrell & Co....1619 Sansom st., Phila.
Graham-Campion Co.....Heed Bldg., Phila.
Mitchell Bros.....2125 Race st., Phila.
Pomeroy Const. Co.....1609 Ranstead st., Phila.
Russell and Keffer,
Commerical Trust Bldg., Phila.

Builders' Iron Work.

James G. Madden...Franklin Bank Bldg., Phila.

Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.
Knickerbocker Lime Co...366 N. 24th st., Phila.

Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.
Samuel H. French & Co.,

4th and Callowhill sts., Phila.

Knickerbocker Lime Co...266 N. 24th st., Phila.
Lehigh Portland Cement Co., Penna. Bldg., Phila.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

Concrete Construction.

Turner Concrete Steel Co..1715 Sansom st., Phila.

Concrete Mixers.

Pierce-Schmidt Co.....Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co.....Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co...Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.....N. Y. City and Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co....50 N. 6th st., Phila.

Drawing Materials.

Charles H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co.....114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts., Phila.

Engineers' Supplies.

Charles H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg., Phila.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Flooring.

Currie & Campbell Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Furnaces.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co.....118 N. 2d st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

Gas and Gas Appliances.

United Gas Improvement Co.,
Broad and Arch sts., Phila.

Granite.

Holmesburg Granite Co.,
Commercial Trust Bldg., Phila.

Heating Contractors.

Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.

T. S. Johnson Sons Co....622 Cherry st., Phila.

Heating (Vapor).

Vapor Heating Co.,
York, Pa., and North American Bldg., Phila.

Heating Boilers.

H. B. Smith.....1225 Arch st., Phila.
Iron Work (Structural and Ornamental).

James G. Madden...Franklin Bank Bldg., Phila.

Lockers.

Edward Darby & Sons Co., Inc.,
233 Arch st., Phila.

Lumber.

Currie & Campbell...Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Howard Ketcham.....3d and Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.

Marble Mosaic.

Belf Bros. & Co.....20-22 S. 19th st., Phila.

Metal Lath.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila.

N. J. Wire Cloth Co.,
Trenton, N. J., and 627 Market st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

Mill Work.

Penn Planing Mill Co.....Reading, Pa.
O. M. Weber Co.....North Wales, Pa.

Mortar Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Office Furniture.

Wm. H. Hoskins Co.....904 Chestnut st., Phila.

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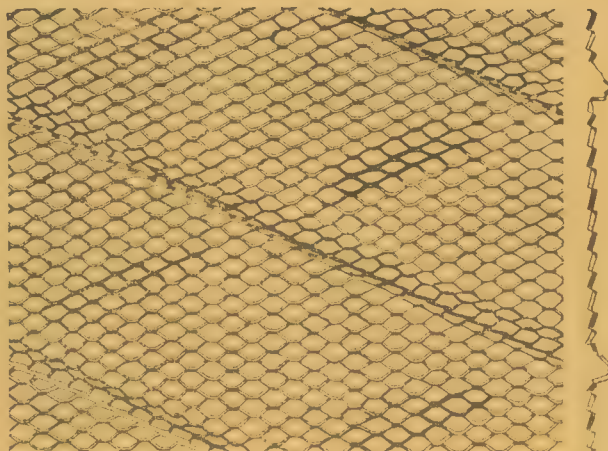
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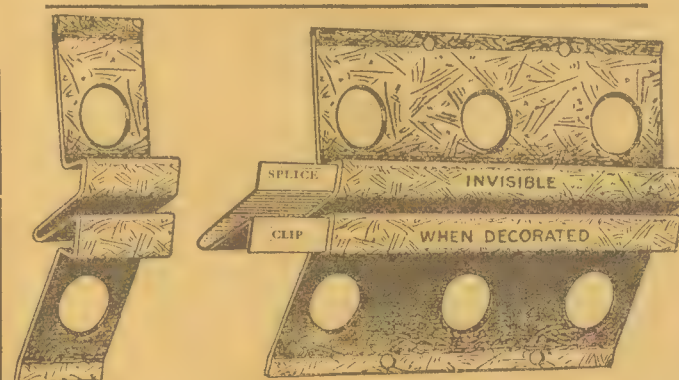
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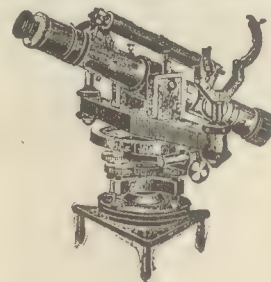
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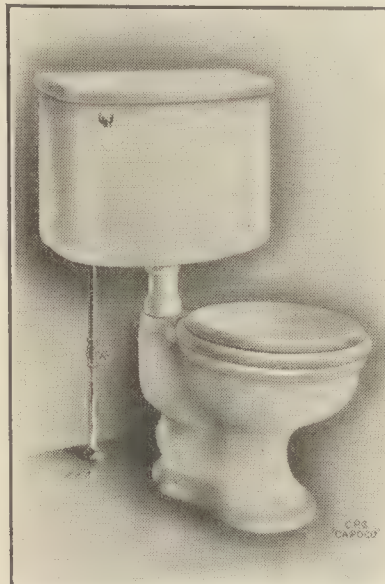


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PHILADELPHIA, WEDNESDAY, FEBRUARY 16, 1916.

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Fraternity House, 3618-20 Locust street, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Phi Sigma Kappa Fraternity, 3732 Walnut street, Philadelphia. Brick, marble trimmings, 4 stories, 34x75 feet, tile and composition roof, tile and marble work, hardwood floors, metal lath (heating, plumbing and electric work separate bids). Architects have received bids.

Residence, Wissahickon avenue, above Upsal street, \$9,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, 607 West Upsal street, Germantown. Stone, 2½ stories, 36x48 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architect has received bids.

Residence (alts.), 3924 Walnut street, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, George Miller, on premises. Consists of interior alterations only. Architects have received bids.

Garage, Wayne avenue and Logan street, Philadelphia. Architect, private plans. Owner, Louis Felber, 4546 Wayne avenue, Philadelphia. Brick and steel, 1 story, 110x120 feet, slag roof, waterproofing, reinforced concrete floors (heating, plumbing and electric work reserved). Owners taking bids, due February 16th. In addition to those previously reported, Henry P. Schneider, 3713 Old York road; Harry Brocklehurst, 512 West Norris street, and Fred A. Havens & Co., 845 North Nineteenth street, are figuring.

Factory (add.), Tenth and Lombard streets, Philadelphia. Architect, T. Frank Miller, 1012 Walnut street, Philadelphia. Owners, Charles Eneu Johnson & Co., 509 South Tenth street, Philadelphia. Reinforced concrete, steel and brick, 4 stories, 45x90 feet, slag roof, steam heating, electric lighting, metal sash. Plans in progress. Architect will take sub-bids in about two weeks.

Residence, Germantown, Philadelphia. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Harold G. Paine, 401 West School House Lane. Hollow tile and plaster, 2½ stories, 27x40 feet; wing, 16x24 feet, slate roof, hot water heating, electric

lighting, tile work hardwood floors. Plans in progress. Architect will take bids in about two weeks.

Factory Building, Fifty-fourth and Paschall avenue. Architect, J. C. Fernald, 5533 Wyalusing avenue, Philadelphia. Owner, Joseph K. Marshall, 8 South Fifty-second street, Philadelphia. Brick, 2 stories, 50x100 feet, slag roof. Owner taking bids.

Church, Hancock and York streets, Philadelphia, \$30,000. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Alpha Baptist Church, care of architects. Stone, 1 story, 50x100 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about three weeks.

Garage, 1231 and 1233 Wood street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Thomas Watson, 324 North Thirteenth street, Philadelphia. Brick, 1 story, 32x70 feet, slag roof, steam heating, electric lighting, cement floors. Plans in progress. Architect will take bids in about ten days.

Bakery, Store and Restaurant, Fifty-second and Market streets, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owners, Baker's Bakery Co., care of architects. Brick and terra cotta, 2 stories, 112x60 feet and 32x50 feet, slag roof, steam heating, electric lighting, terrazzo floors. Plans in progress. Architects will take bids in about three weeks.

Apartments and Stores, Logan, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, P. H. Brady, 1351 Melon street, Philadelphia. Brick, 3 stories, 20x70 feet, slag and tile roof, hot water heating, electric lighting, hardwood floors, tile work. Architects taking sub-bids.

Stable (alts.), Twentieth and Washington avenue, Philadelphia. Engineer, P. M. Sax, Heed Building, Philadelphia. Owners, Lit Brothers, Eighth and Market streets, Philadelphia. Brick, 2 stories, slag roof, metal lath, cement and concrete floors. Engineer has received bids.

Store and Dwelling (alt. and add.), 2204 Ridge avenue, Philadelphia. Architect, Her-

man H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, N. M. Levitties, on premises. Consists of general interior alterations and rear addition, 2 stories, 18x40 feet, brick, slag roof, hot water heating, combination lighting, tile work. Plans in progress. Owner and architect will be ready for bids in one week.

Store and Dwelling (alt. and add.), 5048 Wayne avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, B. Wishnov, Fifty-first and Wayne avenue, Philadelphia. Brick, 3 stories, 19x45 feet, slag roof, hot water heating, hardwood floors, marble and tile work, metal lath, metal ceilings. Plans about completed. Owner is ready for bids.

Stores (6), 673 to 678 North Broad street and 1384 and 1386 Spring Garden street, Philadelphia. Architect, private plans. Owners, O. & L. Eisenberg, 203 North Broad street, Philadelphia. Brick and terra cotta, 2 stories, 72x83 feet, slag roof, hot water heating, electric lighting, metal lath, tile work. Owners have received bids.

Residence, Arrott and Pilling streets, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner's name withheld. Brick and rough cast, 2½ stories, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Architects taking bids, due February 19th. The following are figuring: Rush Bros., 1100 Fillmore street; Rimer & Byers, 1204 Harrison street; C. West & Co., Harrison and Horrocks streets; John F. Davies, 1110 Foulkrod street; George R. Osborne, 5017 Willow street, Philadelphia.

Residence, Thirty-fifth and New Queen sts., East Falls, Philadelphia. Architect, W. R. Wallace, Pencoyd, Pa. Owner, James W. Harrison, East Falls, Philadelphia. Brick, 2 stories, 13x56 feet, tin roof, oak floors (heating, plumbing, electric lighting, tile work reserved). Architect has received bids.

Residence and Garage, Allen's Lane, east of McCallum street, \$30,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Robert M. Hogue, 100 Pelham Road, Philadelphia. Stone, 2½ stories,

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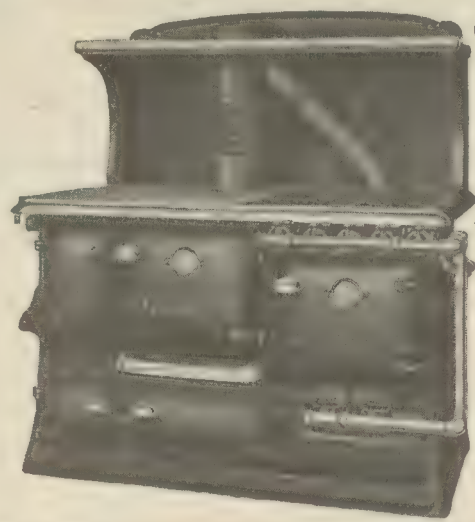
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ed). Architects have received bids.

Garden, 331 West Johnson street, Philadel-
phia. Architect, J. Fletcher Street, Drexel
Building, Philadelphia. Owner, Edward S.
Jackson, on premises. Consists of new cement
walks, stone walls, iron railings, etc. Archi-
tect taking bids. H. H. Burrell, 206 South
Quince street, is figuring.

Store Building (alt. and add.), Tioga street,
east of Frankford avenue. Architects, Guy
King & Co., 1513 Walnut street, Philadelphia.
Owner, Harry Strecker, 2066 East Tioga
street, Philadelphia. Brick, 2 stories, con-
sists of general alterations to second floor.
Plans in progress.

Factory (add.), Front and Erie avenue, Phil-
adelphia. Architects, Watson & Huckel, 1211
Walnut street, Philadelphia. Owners, Hess-
Bright Manufacturing Co., on premises. Brick,
steel and concrete, 1 story, 200x130 feet, slag
roof, steam heating, electric lighting, metal
sash. Plans in progress.

Building (alt. to Store and Dwelling), N. E.
Cor. Reese and Bainbridge streets, Philadel-
phia. Architect, Herman H. Kline, Sixth and
Mifflin streets, Philadelphia. Owner, William
Rosoff, 535 Bainbridge street, Philadelphia.
Consists of general interior and exterior alter-
ations and additions, hot water heating, slag
roof, combination lighting, marble work. Plans
in progress. Owner will be ready for bids
in about one week.

Garage, 32 West Highland avenue, German-
town. Architect, private plans. Owner P.
G. Glynn, on premises. Brick, 1 story, 57x82
feet, slag roof (hot water heating, electric
work and plumbing reserved). Owner taking
bids. The following are figuring: John E.
Walt, 204 East Willow Grove avenue; Pringle
Borthwick, 8018 Germantown avenue, and
John McCrea, 1313 Arch street, Philadelphia.

Store and Apartment House, 311 South
Fifth street, Philadelphia. Architect, Julius
Anderson, Drexel Building, Philadelphia.
Owner, Mrs. J. Stallberg, 1331 South Sixth
street, Philadelphia. Brick, 3 stories, 20x104
feet, slag roof, hot water heating, electric
lighting, tile work. Owner is taking bids.
The following are figuring: H. R. Kirpichni-
koff, 1110 North Forty-first street; N. Donkin,
245 Greenwich street; Lam Building Co., 1001
Wood street; Fred Quate, 1323 Snyder avenue;
Central Contracting Co., 525 North Ninth

street; John J. Hurley, 4416 Cresson street,
Roxborough, Philadelphia.

Beef Cooling Building, Thirtieth and Mar-
ket streets, Philadelphia. Architect, private
plans. Owners, D. B. Martin Co., on premises.
Brick, steel and reinforced concrete, 3 stories,
18x160 feet, slag roof, cork insulation (electric
work reserved). Owners taking bids, due as
soon as possible. F. W. Van Loon, Denckla
Building, is figuring (only bidder).

Residence, Stenton and Meadowbrook ave-
nues. Architect, L. V. Boyd, Harrison Build-
ing, Philadelphia. Owner, John J. Elcock,
North American Building, Philadelphia. Brick
and rough cut, 2 1/2 stories, 28x70 feet, green
slate roof, electric lighting, oak floors, tile
work (warm air heating reserved). Archi-
tect taking bids, due February 21st. The
following are figuring: A. L. Fretz & Son,
1222 Chancellor street; Fisher Bros. & Co.,
3139 North Ninth street; Sutton & Stephen-
son, 1317 Washington avenue; James H. Wells,
Heed Building; F. B. Davis, 240 North Six-
teenth street; Specht & Sperry, Heed Build-
ing; I. A. Dunkelberger, 71 East Herman
street; Charles Johnson, 5701 Boyer street,
Philadelphia.

Residence (alt. and add.), Oak Lane, Phila-
delphia. Architects, Neff & Thames, Heed
Building, Philadelphia. Owner, P. P. Hagan,
1103 Prospect avenue, Oak Lane, Philadel-
phia. Stone and frame, 2 1/2 stories, shingle
roof; hot water heating, electric lighting, hard-
wood floors. Plans in progress. Architects
will take bids in about ten days.

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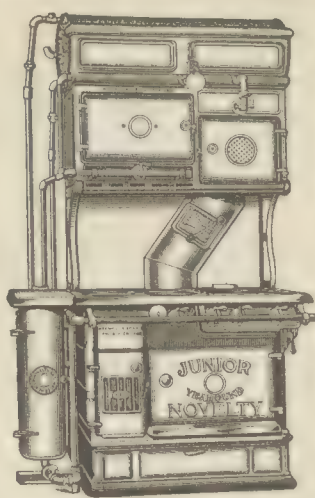
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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Warehouse (add.), West Delaware avenue and Walnut street. Architect, private plans. Owners, Charles J. Webb & Co., 116 Chestnut street, Philadelphia. Reinforced concrete, 9 stories, composition roof, electric lighting, metal frames and sash, waterproofing. Contract awarded to Irwin & Leighton, 126 North Twelfth street, who will soon take sub-bids.

Residence and Garage (alt. and add.), 401 West Cheltenham avenue, Philadelphia, \$10,000. Architect, Herbert C. Wise, 133 South Fifteenth street, Philadelphia. Owner, Henry Weiner, Jr., Stephen Girard Building, Philadelphia. Stone and brick, 2½ stories, slate and slag roof, tile work, electric lighting, oak floors, composition floors, electric elevator (heating reserved). Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

Residence, Wynnefield, Pa., \$10,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Lee Hall, 5138 Parkside avenue, Philadelphia. Stone and frame, 2½ stories, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to John F. Wolfe, 726 North Forty-first street, Philadelphia, who is taking sub-bids.

Factory Buildings, Sixth and Tabor Road, \$150,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Philadelphia Textile Machinery Co., Hancock and Somerset streets. Main building, concrete, 1 story, 261x152 feet; power house, brick and steel, 1 story, 42x34 feet; office building, concrete, 2 stories, 112x33 feet, slag roof, steam heating, electric lighting. Contract awarded

to Hennibique Construction Co., 1170 Broadway, New York City, who will take sub-bids.

Factory (add.), Eighteenth and Hamilton streets, Philadelphia. Architect, private plans. Owners, Baldwin Locomotive Works, F. Jasperson, Esq., Broad and Spring Garden streets, Philadelphia. Reinforced concrete, 8 stories, 100x400 feet, slag roof, electric lighting, steam heating, elevators, metal sash. Contract awarded to F. W. Marks Construction Co., Cleveland, Ohio.

Store Building (alts.), 1203 Filbert street, Philadelphia. Architect, F. T. Uezzell, 1203 Filbert street, Philadelphia. Lessee, H. D. Reese, on premises. Brick, 3 stories (roofing, hot water heating, electric lighting, elevator, refrigerators and ice machine reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street.

Residence (alts.), 146 West Walnut Lane, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Mrs. A. L. Herd, care of architects. Stone and brick, 2½ stories, canvas roof, warm air heating, electric lighting, oak floors. Contract awarded to Fred Elvidge & Son, 5522 Germantown avenue.

Church and Sunday School, Thirteenth and Rockland streets, \$40,000. Architects, Neff & Thames, Heed Building, Philadelphia. Owners, Bishop Foss M. E. Church, Rev. Richard Turner, 5319 North Thirteenth street, Philadelphia. Stone, 1 story, 100x125 feet, slate roof, steam heating, electric lighting. Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

PENNSYLVANIA Construction News

Apartment House (alt. and add.), Reading, Pa., \$12,000. Architect, William A. Fink, 426

Franklin street, Reading, Pa. Owner, E. F. Fleming (agent), Reading, Pa. Brick, 4 stor-

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ies, 40x120 feet, slag roof, electric lighting, composition flooring, metal lath, dumb waiters, dampproofing. Architect taking sub-bids.

Residences (3), Reading, Pa., \$9,000. Architect, William A. Fink, 426 Franklin street, Reading, Pa. Owner's name withheld. Stone and brick, 2 stories, 30x72 feet, slate roofs, steam heating, gas and electric lighting. Architect taking sub-bids.

Residence, Birdsboro, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, G. F. Handwork, Birdsboro, Pa. Brick, stone trimmings, 2½ stories, 26x40 feet, slate roof, hot water heating, gas and electric lighting. Plans completed. Owner ready for bids.

Store Front, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Samuel L. Dunkle, 703 Penn street, Reading, Pa. Consists of new store front. Plans in progress.

Picture Theatre (alt. and add.), Reading, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Gem Amusement Co., Reading, Pa. Brick, 1 story, 40x100 feet, slag roof, steam heating, electric lighting, concrete and composition floors. Plans in progress.

Store Front, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Edwin B. Gettes, Reading, Pa. Brick and glass, electric lighting. Plans in progress.

Residence, Wyomissing, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, L. F. Lauter, Wyomissing, Pa. Brick, 2½ stories, 28x26 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

City Hall (alts.), Reading, Pa., \$7,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, City of Reading, Frank Tyson, City Hall. Consists of new steel cells and elevator. Plans in progress.

Stores and Apartments (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, Easton, Pa. Owner, I. B. Hochman, Easton, Pa. Brick, 3 stories, 30x130 feet, slag roof, steam heating, electric lighting, metal lath. Architect ready for bids.

Bungalows (100), Palmerton, Pa. Architect, private plans. Owners, New Jersey Zinc Co., Palmerton, Pa. Brick and frame, 1½ stories, 24x26 feet each, slate roofs, electric lighting. Owners have received bids and will soon award contract.

Residence, Easton, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, E. E. Eichlin, Easton, Pa. Brick, 2 stories, 33x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architect will take bids in a few days.

Residence, Bushkill Park, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, Mrs. Snyder, care of architect. Brick, 2 stories, 32x28 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in a few days.

Store Building (alt. and add.), Easton, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, J. D. Ballentine, Easton, Pa. Brick and steel, 3 stories, 35x90 feet, slag roof,

electric lighting, metal lath. Plans completed. Owner ready for bids.

Garage, Easton, Pa. Architect, J. J. Weitzenfeld, Easton, Pa. Owner, F. C. Miller, Easton, Pa. Brick, 1 story, 35x36 feet, slag roof, steam heating, electric lighting, gasoline storage system. Owner taking bids.

Apartments (alt. and add.), Easton, Pa. Architect, J. J. Weitzenfeld, Easton, Pa. Owner, Floyd W. Kutz, Easton, Pa. Frame, 3 stories, 16x60 feet, tin or slag roof, steam heating, electric lighting. Plans in progress.

Residence, Narberth, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, John B. Williams, Narberth, Pa. Stone, 2½ stories, 25x35 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Plans in progress.

Hospital, Easton, Pa., \$150,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owners, Easton General Hospital, Easton, Pa., care of Dr. A. L. Goldwater, adviser, 141 West 121st street, New York City. Brick, stone and steel, fireproof, 3 stories. Details not yet decided. Plans in progress.

School (alt. and add.), Bethlehem, Pa., \$25,000. Architect, Edward R. Bitting, South Bethlehem, Pa. Owners, Board of Education, Bethlehem, Pa. Brick, 2 stories. Details not yet decided. Plans in progress.

School, Bethlehem, Pa., \$80,000. Architects, Ruhe & Lange, Allentown, Pa. Owners, Board of Education, Bethlehem, Pa. Brick, stone, concrete and steel, 3 stories, fireproof. Details not yet decided. Plans in progress.

Y. M. C. A. Building, Nazareth, Pa., \$40,000. Architects, Boyd & Stewart, Century Building, Pittsburgh, Pa. Owners, Y. M. C. A., John A. Miller, president, Nazareth, Pa. Brick and stone, 3 stories. Details not yet decided. Plans in progress.

Y. M. C. A., Pen Argyl, Pa., \$30,000. Architects, Boyd & Stewart, Century Building, Pittsburgh, Pa. Owners, Y. M. C. A., S. L. Diehl, president, Pen Argyl, Pa. Brick and stone, 3 stories. Details not yet decided. Plans in progress.

Bungalow, Allentown, Pa. Architects, Jacoby & Weishample, Commonwealth Building, Allentown. Owner, H. G. Reiff, Allentown, Pa. Hollow tile and stucco, 1½ stories, 32x47 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Hotel (add.), Easton, Pa., \$15,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owners, Williams Bros., Hotel Easton, Easton, Pa. Brick, steel and reinforced concrete, 4 stories, 30x44 feet and 10x20 feet, slag roof, steam heating, electric lighting, tile work, freight elevator. Architect taking bids. A. A. Bechtel, Easton, Pa., is figuring (only bidder).

Residence, Easton, Pa., \$5,000. Architect, George A. Morganstern, Easton, Pa. Owner, Edith M. Bowers, Easton, Pa. Brick and stucco, 2½ stories, 26x42 feet, slate roof, hot air heating, electric lighting, metal lath, damp-proofing. Plans about completed. Architect will take bids in a few days.

Ward Buildings (2), South Mountain, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Asylum



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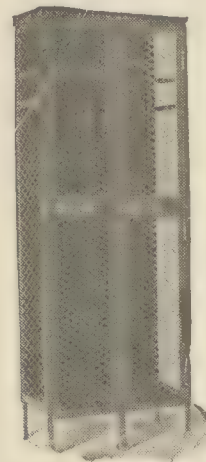
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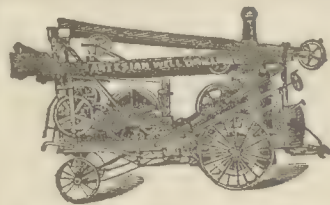
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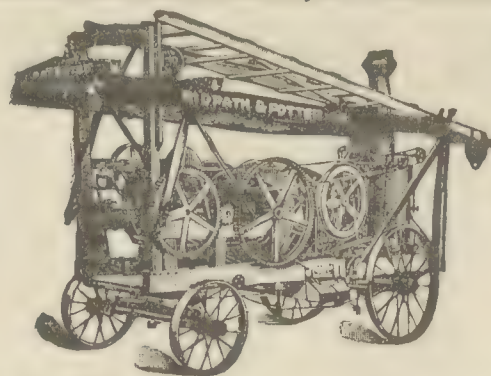
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for Chronic Insane, Dr. S. S. Hill, South Mountain, Pa. Reinforced concrete and brick, 2½ stories, 60x400 feet, slate roof, steam heating, electric lighting, composition flooring. Plans about completed. Architect will take bids in two weeks.

High School, Slatington, Pa., \$65,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, P. D. Snyder, secretary, Slatington, Pa. Stone and brick, 2 stories, 90x130 feet, slate roof, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due February 24th at 3 P. M. The following are figuring: Beard Construction Co., Reading, Pa.; Butz & Clader, Allentown, Pa.; Andrew Breslin, Summit Hill, Pa.; W. H. Wiand, Pottstown, Pa.; J. B. Trexler, St. Clair, Pa.; J. F. Barnhardt & Co., Harrisburg, Pa.

Residences (68), Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Chester Realty and Construction Co., Law Building, Chester, Pa. Brick, 2 stories, slag roofs, steam heating, electric lighting, tile work, hardwood floors. Plans about completed. Owners will take sub-bids in a few days.

Residence (alt. and add.) and Garage and Farm Buildings, Bryn Mawr, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Robert E. Strawbridge, Bryn Mawr, Pa. Stone and timber, 2½ stories, copper, canvas and shingle roofs, steam heating, dampproofing, oak floors, tile and marble work (interior wood work, parquet floors and electric work reserved. Architect has received bids.

Residence, Norristown, Pa., \$25,000. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owner, F. B. Wildman, Norristown, Pa. Stone, 2½ stories, 46x70 feet, tile roof, hot water heating, electric lighting, oak floors, tile work. Architect taking bids, due February 22nd. The following are figuring: Henry L. Brown, 1714 Sansom street; F. B. Davis, 240 North Sixteenth street, Philadelphia; Frank R. Heavner, Norristown, Pa.; Shoffner Bros., Norristown, Pa.

Tuberculosis Cottage, Norristown, Pa., \$35,000. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, State Hospital for Insane, Norristown, Pa. Hollow tile and plaster, 2 stories, steam heating, electric lighting, roofing not decided. Plans in progress.

Residence, Radnor, Pa. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owners, Radnor Realty Co., Commercial Trust Building, Philadelphia. Hollow tile and plaster, 2 stories, 49x27 feet, shingle roof, hot water heating, electric lighting, oak and composition flooring, metal weather strips. Architect has received bids.

Cottage and Implement Building, Newtown Square, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Miss Anne Vaclain, Newtown Square, Pa. Frame Cottage, 2 stories, 35x25 feet; implement building, 1 story, 150x40 feet; wing, 45x33 feet; shingle roof, hot air heating. Architects have received bids.

Stores, Hatboro, Pa. Architect, T. Frank

Miller, 1012 Walnut street. Owner, George W. Flavell, 1011 Spring Garden street, Philadelphia. Brick, 2 stories, 40x48 feet, slag roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about two weeks.

Bank (add.), Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Lansdowne and Darby Saving Fund and Trust Co., Lansdowne, Pa. Granite and limestone, 2 stories, 26x21 feet, Barrett's roof, hot water heating, electric lighting, maple floors, marble and terrazzo floors, Clinton wire reinforcement, reinforced concrete floors, hollow tile partitions, vault doors, hot water heating. Architects taking bids, due February 18th. The following are figuring: Barclay White & Co., Perry Building; Smith-Hardican Co., 1606 Cherry street; Jacob Myers & Sons Co., Witherspoon Building; Charles T. Moore, Lansdowne, Pa.; James K. Ingram, Lansdowne, Pa.

Garage, Merion, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, William H. Steigerwalt, 1420 Chestnut street, Philadelphia. Stone, brick and stucco, 1½ stories, 28x30 feet, slate roof (heating, plumbing, electric work and gasoline storage reserved). Architect taking bids. John E. Kearney, 327 North Sixty-third street, and E. J. Hedden, Finance Building, are figuring.

Residence (alt. and add.), Fort Washington, Pa. Architect, W. T. Godfrey, 8315 Norwood avenue, Philadelphia. Owner, William G. Oberholtzer, Fort Washington, Pa. Brick and plaster, 2½ stories, slate and tin roof, hot water heating, electric lighting. Architect has received bids.

Garage and Greenhouse, Elkins Park, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Charles J. Cole, Elkins Park, Pa. Garage, brick, 1½ stories, 24x28 feet; greenhouse, glass, 10x22 feet; (garage shingle roof), electric lighting, hot water heating, gasoline storage system, cement floors. Architect taking bids, due February 17th. The following are figuring: W. John Stevens, Wyncote, Pa.; John H. Dagny, Oak Lane, Pa.; C. L. Hemmerly, Oak Lane, Pa.; F. T. Mercer, 1220 Chancellor street, Philadelphia.

Residence, Bryn Mawr, Pa. Architect, Frank A. Hayes, 1524 Chestnut street, Philadelphia. Owner, J. Henry Longmaid, care of architect. Hollow tile and plaster, 2½ stories, 32x86 feet, shingle roof, tile work, oak floors (vapor heating and electric work separate bids). Architect taking bids, due February 22nd. The following are figuring: Thomas Little & Sons, 1713 Moravian street; Jacob Myers & Sons Co., Witherspoon Building; Frank G. Stewart, 1619 Sansom street; F. B. Davis, 240 North Sixteenth street, Philadelphia; J. D. Lengel, Wayne, Pa.

Parochial School, Berwyn, Pa., \$30,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, St. Monica's R. C. Church, Rev. John C. Carey, Berwyn, Pa. Brick and terra cotta, 2 stories, 66x96 feet, Carey's roof, metal lath, concrete and hollow tile fireproofing, maple floors, composition flooring, slate blackboards (plumbing,

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heating and electric work reserved). Revised plans in progress.

Residences (4), Springfield, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owners, Spring-

field Real Estate Co., Commercial Trust Building. Stone and plaster, 2½ stories, slate and tile roofs, hot water heating, electric lighting, tile work, oak floors. Plans about completed. Architects will take bids in a few days.

PENNSYLVANIA**Contracts Awarded****Garage and Apartments (alt. and add.)**, Reading, Pa., \$10,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, George O. Runveon, Reed and Elm streets, Reading, Pa. Brick, concrete and steel, 1 story, 30x151 feet, slag roof, hot water heating, electric lighting, concrete floors, metal doors, ventilators, metal lath, gasoline tank and storage system. Contract awarded to Daniel H. Hunter, 820 North Eleventh street, Reading.**High School**, Lehigh, Pa., \$80,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. F. Rehrig, secretary, Lehigh, Pa. Stone and brick, 2 stories, 120x130 feet, electric lighting, metal lath, dampproofing, slate blackboards, concrete floors. Contract awarded to Beard Construction Co., Reading, Pa.**Parish House**, Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owners, St. Paul's R. C. Church, Reading, Pa. Brick, 2½ stories, 38x93 feet, slate roof, steam heating, electric lighting, tile work. Contract awarded to Beard Construction Co., Reading, Pa.**Garage**, Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, H. P. Brunner, 122 Oley street, Reading, Pa. Brick, 1 story, 20x31 feet, slag roof, electric lighting, cement floors. Contract awarded to N. J. Raudenbush, Reading, Pa.**Factory (add.)**, Reading, Pa., \$23,000. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owner, W. H. Luden, Reading, Pa. Brick, 4 stories, 57x110 feet, slag roof, steam heating, electric lighting, metal sash, metal fire doors. Contract awarded to H. J. Raudenbush, Reading, Pa.**Residence**, Lebanon, Pa., \$9,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, C. Osear Bressler, Lebanon, Pa. Stone and shingle, 2½ stories, 45x27 feet, shingle roof, hot air heating, electric lighting, tile work, hardwood floors. Contract awarded to J. H. Greiner, Lebanon, Pa.**Residence (alt. and add.)**, Lebanon, Pa.

Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Dr. John Beat- tie, Lebanon, Pa. Brick, 2 stories, 30x60 feet, composition roof, steam heating, electric lighting, hardwood floors, metal lath. Contract awarded to Swope Brothers, Lebanon, Pa.

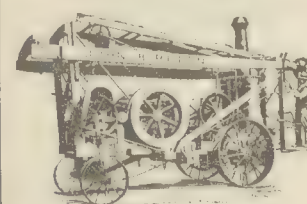
Gardener's Cottage, Terwood, Pa. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owner, George Satterthwaite, Terwood, Pa. Frame, 2 stories, 30x26 feet, shingle roof. Contract awarded to Harry Murphy, Willow Grove, Pa.**Residence and Garage**, Cynwyd, Pa., \$30,000. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owner, W. B. Sheppard, Cynwyd, Pa. Hollow tile and plaster, 2½ stories, 23x75 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to James B. Flounders, 1329 Arch street, Philadelphia.**Residence (alt. and add.)**, Elkins Park, Pa. Architect, H. Rex. Stackhouse, Drexel Building, Philadelphia. Owner, S. B. Qoffler, Sixth and South streets, Philadelphia. Hollow tile and plaster, 2 stories, slate roof, hot water heating, electric lighting. Contract awarded to A. G. Sparks, Merion, Pa.**Garage**, Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, C. C. Lippincott, Lansdowne, Pa. Plaster, 2 stories, 19x21 feet, shingle roof, electric lighting, cement floors. Contract awarded to Barclay White & Co., Perry Building.**Orphanage (rebuilding)**, Harrisburg, Pa. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, Sylvan Heights Orphanage, Harrisburg, Pa., care of Bishop J. W. Shanahan, Harrisburgh, Pa. Brick, stone and terra cotta, reinforced concrete floors, 3 stories, slag roof, metal lath, metal sash, terrazzo, tile and marble work, iron stairs (heating and electric work separate bids). Contract awarded to Monaghan & Losse, 214 South Twelfth street, Philadelphia.**EXPERIENCE and organization enable us to execute building contracts thoroughly.****Strict attention to details of heavy construction or artistically delicate work.****Graham-Campion Co.****BUILDING CONSTRUCTION**

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NEW JERSEY Construction News

Candy Factory, Trenton, N. J. Architects, W. W. Slack & Sons, American Mechanics' Building, Trenton. Owners, Belle-Meade Sweets Co., Trenton, N. J. Concrete, brick and steel, 1 story, 60x350 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, metal sash, steel sash, metal lath, waterproofing and dampproofing. Architects taking bids.

School, Trenton Junction, N. J., \$28,000. Architect, R. A. Shumann, 932 Lamberton street, Trenton, N. J. Owners, Board of Education of Ewing Township, N. J. Brick, 1½ stories, 103x105 feet, slate roof, warm air heating, electric lighting, slate blackboards. Plans completed. Owners taking bids.

Store and Apartments, Trenton, N. J., \$6,500. Architect, R. A. Shumann, 932 Lamberton street, Trenton, N. J. Owner, Marsilio Agabiti, Trenton, N. J. Brick, 2 stories, 25x70 feet, slag roof, steam heating, electric lighting, tile work. Plans in progress.

Store and Residence, Roebling, N. J., \$4,500. Architect, R. A. Shumann, 932 Lamberton street, Trenton, N. J. Owner, Lewis Lytak, Roebling, N. J. Brick, 2 stories, 17x55 feet, slag roof, steam heating, gas lighting. Plans about completed. Architect ready for bids.

Residences (2), Trenton, N. J., \$7,000. Architect, R. A. Shumann, 932 Lamberton street, Trenton, N. J. Owner, A. Tucci, Trenton, N. J. Brick, 2½ stories, 15x44 feet each, slate roofs, steam heating, electric lighting. Plans in progress.

Machine Shop, Gloucester, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, John M. Rogers Works, Inc., Gloucester, N. J. Reinforced concrete, brick and terra cotta, 1 story, 45x122 feet, slag and tile roofs, steel sash, hollow tile, brick vault, wood blocks floors, steam heating, electric lighting. Architects have received bids.

School Building, West Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, District Clerk, Berlin. Brick, 1 story, slate roof (warm air heating, plumbing and electric work separate bids). Owners taking revised bids, due February 23rd at 8 P. M. George W. Shaner & Son, Palmyra, N. J., are figuring.

School, Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street. Owners, Board of Education, care of Wm. C. Haines, Berlin, N. J. Brick, 1 story, slate roof, electric lighting, steam heating. Owners taking revised bids, due February 23rd at 8 P. M. George W. Shaner & Son, Palmyra, N. J., are figuring.

Office Building (alt. and add.), 418 Federal street, Camden, N. J. Architect, private plans. Owners, Public Service Gas Co., Newark, N. J. Brick addition, 2 stories, 85x40 feet, Barrett's roof, steam heating, electric lighting, wire work, metal lath, waterproofing, cabinet work, fire doors, metal weatherstrips, marble, tile and terrazo work, hollow tile and concrete fireproofing. Owners taking bids, due February 23rd. The following are figuring: Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth street; Pomeroy Construction Co., 1609 Ranstead street; Warren Moore & Co., Commercial Trust Building, Philadelphia; J. S. Rogers Co., Morestown, N. J.

Apartment House, Atlantic City, N. J., \$25,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Samuel Comly, Atlantic and South Iowa avenues, Atlantic City. Stone, terra cotta, reinforced concrete and steel, 4 stories, 45x100 feet, slag roof, hot water heating, electric lighting, tile

work, metal lath, dampproofing, elevator. Architect taking bids. The following are figuring: Charles Corson, W. G. Taylor & Son, Thompson Bros., A. W. Dick, P. G. Hannum, Esquie Collins, James Yates, H. G. Scull and W. B. Porch, all of Atlantic City.

Store and Residence, Arctic avenue, Atlantic City, N. J., \$3,600. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, Samuel Martini, Atlantic City, N. J. Brick and limestone trimmings, 2 stories, 17x60 feet, slag roof, hot water heating, electric lighting, tile work. Owner taking bids. The following are figuring: Harry G. Scull, A. Ruffo, R. Balesterie, all of Atlantic City, N. J.

Apartment House, Atlantic City, N. J., \$10,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, H. G. Harris, Guarantee Trust Building, Atlantic City. Brick and limestone trimmings, 3 stories, 28x53 feet, slag or Carey's roof, hot water heating, electric lighting, tile work, hardwood floors, metal lath, dampproofing, iron stairs. Plans in progress.

Residence, Ventnor, N. J., \$6,500. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City, N. J. Owner's name withheld. Brick and stucco, 2 stories, 38x32 feet, slate roof, hot water heating, electric lighting, tile work. Plans in progress.

Residence, Ventnor, N. J., \$6,500. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick and stucco, 2 stories, 29x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Church (alt. and add.), Atlantic City, N. J., \$5,000. Architect, W. S. Shull, Guarantee Trust Building, Atlantic City, N. J. Owners, Church of the Ascension, Atlantic City, N. J. Brick and stucco and terra cotta, tile roof. Plans in progress.

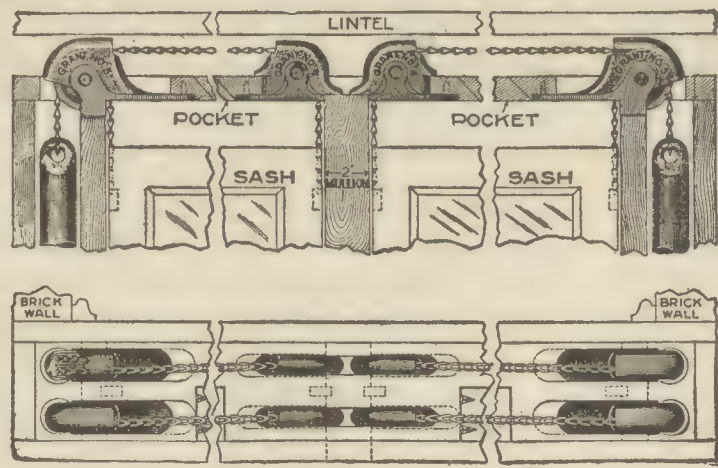
Fire House and Town Hall, Egg Harbor, N. J., \$12,000. Architects, Stout & Riebeneck, Guarantee Trust Building, Atlantic City. Owners, City of Egg Harbor, N. J. Brick, steel and hollow tile, 2 stories, 35x104 feet, slag roof, hot water heating, electric lighting, concrete floors. Owners will advertise for revised bids in one week.

Dormitory Building, Sumner, N. J. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Pine Valley Golf Club, Sumner, N. J. Hollow tile and plaster, 2 stories, 76x41 feet, shingle and Carey's roof, canvas and maple floors, tile work (heating and plumbing and electric work reserved). Architect taking revised bids, due February 16th. The following are figuring: John N. Gill & Co., Heed Building; E. J. Kreitzburg, 1345 Arch street; Milton W. Young, Overbrook, Philadelphia.

Residence, Merchantville, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, George Ostermayer, Merchantville, N. J. Hollow tile and plaster, 2½ stories, 30x50 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in about two weeks.

Residence, Salem, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner's name withheld. Frame, 2½ stories, 30x50 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

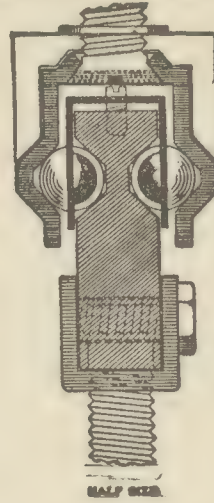
Residence (alt. and add.), Moorestown, N. J. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, E. Robert Stackhouse, Eighth and Locust streets, Phila-



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delphia. Frame, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Plans in progress. Architect will take bids in about ten days.

Residence, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Dr. Marvin A. Street, 300 Broadway, Camden, N. J. Frame, 2½ stories, 25x65 feet, shingle roof, electric lighting, hardwood floors, tile work (heating and plumbing separate bids). Architect taking bids, due February 23rd. The following are figuring: J. E. Kolster, Beverly, N. J.; Geo. W. Shaner & Son, Beverly, N. J.; J. S. Rogers Co., Moorestown, N. J.; Stewart L. Maines, Moorestown, N. J.; J. W. Draper, 436 Haddon avenue, Camden, N. J.

High School, Morristown, N. J., \$200,000. Architects, Guilbert & Betelle, 665 Broad street, Newark, N. J. Owners, Board of Ed-

ucation, John Conklin, chairman Building Committee, 133 Speedwell avenue, Morristown, N. J. Brick, terra cotta and reinforced concrete, fireproof, 3 stories, asbestos roof, waterproofing, metal lath, marble and terrazzo, iron stairs, kalamein doors, roof ventilators (heating, plumbing and electric work separate bids). Owners taking bids, due February 25th at 8 P. M. Charles McCaul Co., 1713 Sansom street, Philadelphia, are figuring.

High School, Port Norris, N. J., \$20,000. Architects, Loffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, care of Mortimer Mayhew, Port Norris, N. J. Brick, 2 stories, 60x90 feet, slate roof, metal lath, slate blackboards (steam and hot air heating, plumbing and electric work separate bids). Owners taking bids, due February 29th.

NEW JERSEY Contracts Awarded

Residence, Ventnor, N. J., \$8,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City, N. J. Owner, Daniel Collins, Ventnor, N. J. Brick and frame, 3 stories, 26x40 feet, slate roof, hot water heating, electric lighting, tile work. Contract awarded to Hampton Bros. Co., 4403 Atlantic avenue, Atlantic City, N. J.

Apartment House, Atlantic City, N. J. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City, N. J. Owner, Marguerite C. Berry, Atlantic City, N. J. Brick and stucco, 3 stories, 35x77 feet, tile and in-laid slate roof, vapor heating, electric lighting, tile work, dampproofing. Contract awarded to W. B. Porch, Sheen Building, Atlantic City, N. J.

Residence, Atlantic City, N. J., \$5,000. Architect, B. Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, James A. Grist, 38 North Connecticut avenue, Atlantic City, N. J. Brick, 2½ stories, 18x40 feet, slag roof, hot water heating, electric lighting. Contract awarded to Edward Collins, 4 Surry Place, Atlantic City, N. J.

Garage, Trenton, N. J., \$6,000. Architect, private plans. Owner, John H. Hurley, 164 South Broad street, Philadelphia. Brick, 1 story, 50x100 feet, slate roof, steam heating, electric lighting, concrete floors. Contract awarded to John P. Corrigan, 618 Stuyvesant street, Trenton, N. J.

Garage and Printing House, Camden, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Victor Talking

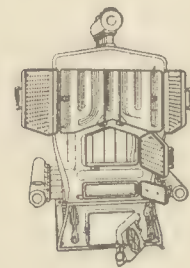
Machine Co., Camden, N. J. Brick, steel and concrete, 7 stories, slag roof (steam heating, electric lighting and plumbing reserved), metal lath, metal sash and frames, safety treads, elevators, waterproofing and damp-proofing. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia, who are taking sub-bids on all lines.

Stores and Offices (alts.), Swedesboro, N. J., \$9,500. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Ashton & Crispin, Swedesboro, N. J. Brick, stone and rough cast, 2 stories, 40x50 feet, slag roof, hot water heating, electric lighting. Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

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PUBLISHED WEEKLY

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Irving Dillon.....Editor

PHILADELPHIA, PA., February 16, 1916.

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Editorial Comment

At the 20th annual convention of the New York State Association of Builders, held recently in New York City, there was an address, made by Ernest F. Eidlitz, counsel of the association, that should have the attention of builders not only in New York State, but in every State in the Union. Mr. Eidlitz's subject was the legal aspect of the legislative work done on behalf of the association and the necessity for active participation by builders in the framing of legislation affecting the building industry. Mr. Eidlitz said in part:

"Statutes are made by the Legislature and are quite different from that slow normal growth of consistent and related principles of the common law. In many instances they have no intimate relation to the general body of the law, but express radical reforms not even desired by the great body of the people.

"Under our system of government, laws passed by the Legislature must be applied by the courts, irrespective of the consequences. The courts cannot disregard statutes because they do not approve of them. Courts cannot legislate; that is the province of the Legislature.

"It is important for the building industry that an association of this character shall make every effort to influence the Legislature to enact laws which adequately protect you in the conduct of your business and which do not inequitably interfere with your interests.

"The following I should give as some of the principal reasons for improper legislation, having legislation affecting the building industry in mind.

"First. Bills do not happen. They are initiated and drafted by some interest for a selfish purpose and frequently in disregard of the rights of others accepted thereby.

"Again, the interests behind the bill make every effort to procure its passage, whereas sometimes there is no opposition, due to lack of knowledge or interest on the part of those adversely affected, and many times the opposition is badly organized and ineffective.

"Another reason is the lack of requisite expert knowledge on the part of the legislators. They also are in ignorance of the conditions affected by the bill and do not appreciate the results which will ensue. The legislators have not sufficient time to devote to the study of the bills, so as to inform themselves of the merits or demerits of the same. There are from two to three thousand bills introduced each session.

* * *

"The system of log rolling also plays an important part. This is voting or pushing a bill, in which a legislator is not interested and not in accordance with the exercise of his own judgment, but at the request of another legislator, who in turn uses his influence in

behalf of some measure in which the former is interested. These reasons suggest the remedy for obviating detrimental legislation.

"The machinery must be provided to examine every bill introduced in the Legislature and to select those affecting your industry. Those selected must be carefully studied and analyzed to determine their real intent and application. There must be then somebody to consider the bill from its legal and practical aspect and to decide whether and in what respect it affects the industry favorably or unfavorably, and if the latter whether and how it should be amended.

"The views and arguments must then be presented to the legislators and must be backed by the weight of a thorough organization to properly impress them with the extent of the opposition or approval and the importance and number affected. Opportunity is given by the Legislature and the Governor to all interested to present their views, and it is in the formation of the statute that an organization like this may influence legislation. While it is possible to repeal a statute at some succeeding session, such a task is much more difficult."

* * *

In Mr. Eidlitz's official report a resume of bills introduced in the State Legislature during the last year was given.

Robert L. Christie, chairman of the Legislative Committee, gave statistics of the work of the committee in the last five years and showed what benefit had been derived from its labors, and how the building trade as a whole has been protected from vicious legislation.

The idea of a Legislative Committee, co-operating with a competent attorney, to keep careful tab on new legislation hurtful or mischievous in its effect on the building industry, is one that should be adopted by associations of builders everywhere. When it is considered that probably seventy percent. of all the vexatious statutes introduced are the work of men who are either without practical knowledge of the conditions sought to be corrected, or, as is only too often the case, frankly "playing at politics," the importance of a Legislative Committee will not be overestimated. The trouble with most committees of the kind is that they cease to remain active. To be effective a legislative committee must be "on the job." It should have an arrangement with somebody at the State capital as well as with local legislative centers, to forward promptly every piece of new legislation with bearing on the building trades. If a bill is decided to be hurtful to the best interests of the trade, this committee must be in a position to rally to the movement for its defeat every influence at the command of the building industry.

If there were more such committees, active

and vigilant in behalf of the trades, there would be, we may be sure, less cause for complaint regarding the disposition of the law-making powers to hamper and restrict various lines of business.

It is because the business man is careless, or unobservant, or too deeply engrossed in the details of his own affairs to watch the trend of State acts and local ordinances, that he is so frequently made the victim of meddling and annoying legislation.

The Legislative Committee supplies the logical remedy.

* * *

By the way, while we are on the subject of builders' associations we should like to remind our many readers that the 4th annual convention of the National Association of Builders' Exchanges is to take place at Baltimore on February 22. Questions of more than passing importance to the trade are to be given consideration at this meeting, which should be liberally attended. "The Guide" is advised that the Philadelphia Master Builders' Exchange, which is now one of the largest bodies of its kind, as to membership, in the United States, will be represented at the Baltimore convention by a big delegation, made up of the "live wores" and "hustlers" that have been making history in the recent activities of this fine old organization. The convention is expected to be one of the largest gatherings of builders and representatives of builders' exchanges ever held in this country. Mr. J. M. Vollmer, secretary of the Builders' Exchange of Louisville, Ky., is secretary of the National Association, and will be pleased to look after the comforts of those who anticipate being present. The convention will be in session three days—February 22, 23 and 24.

* * *

Another gathering of scarcely inferior interest in some respects, will be the Conference of the National Building Inspectors now in session in Chicago. The program includes the following topics of discussion:

- (1) A review of the past year, including progress in code writing and revision, notably in New York City, including also an account of important fires.
- (2) Discretionary power of building officials; its proper limits and use.
- (3) Building code requirements for special building materials, such as gypsum blocks, hollow tile, terra cotta, metal lumber and metal lath.
- (4) The shingle roof.
- (5) Classification of and requirements for lodge halls, also rooming houses.
- (6) Other suggested topics will be added if time permits, such as limits of height and area; distinction between building and fixtures, including wooden dwarf partitions in fireproof buildings; licensing and bonding contractors; organization of a building department.

* * *

New York City is still busy with the question of how best to deal with the annoying and expensive duplication of inspections inci-

dental to its building laws. Chairman Kirkus, of the Conference Committee of Realty Owners, which is agitating the amalgamation of all the various activities concerned with building inspection, in one department, is reported as saying, in a recent interview:

"The worst disasters in the city in recent years can be traced to multiplicity of inspections, and he believes recurrence of them can be stopped forever if one department is made responsible for the rigid enforcement of the law.

"The Fire Prevention Bureau of the Fire Department," continued Mr. Kirkus, "had the enforcement of the law regarding fire drills and the installation of fire alarms in the Diamond factory in Brooklyn. The inquest following the fire brought out the fact that there were neither drills nor alarms. The State Labor Department is authorized by law to enforce the provisions regarding the building of fireproof or fire resisting exits; to enforce the law regarding unlocked exits and exits opening outward. None of these provisions for the safety of tenants were enforced. The State Labor Department requires counterbalanced stairways, but in the Diamond factory the stairway, when an attempt was made to lower it, I am told, fell on to the top of an exit door at the ground level, making both exit and stairway useless."

The impossibility of complying with all orders of the various departments is pointed out by Mr. Kirkus, who says that the Tenement House Department calls for ladders at the bottom of fire escapes, while the State Labor Department demands counterbalanced stairways. The last section of the new Building Code dealing with exits from buildings has been completed after the views of experts from all over the country had been consulted. In spite of this the Fire Prevention Bureau of the Fire Department is issuing orders regarding exits, having made rulings which are entirely its own, and in no way related to the provisions of the Building Code.

"How can anyone know what the law is?" Mr. Kirkus continued. "No matter how much one would like to obey it, it is impossible. We certainly do not intend to remove safeguards. Far from it. By the removal of divided responsibility we expect to erect a real safeguard. It has been proven that divided responsibility makes possible the locked door and prevents proper fire escapes or means of exit, as well as fire drills and alarms.

"We want consolidation of all inspections of buildings to be erected in New York City. Then it will be necessary for builders to file plans with one department which same department will give a certificate that the building is properly constructed or altered. Such building can then be sold or leased and the buyer or lessee can feel assured that he is not the owner or tenant of a structure that any hour may take a terrible toll of life."

* * *

The idea of the Realty Men is that the enforcement of every law and regulation relating to a building, new or old, shall be invested in one bureau so that the owner may know

without indirection, delay or unnecessary annoyance just what requirements are to be met and under what head such requirements are to be exacted.

A reasonable demand, we should say, if legally practicable.

QUALITY OF CYLINDER GLASS.

The merits of 32 ounce glass are frequently misrepresented or exaggerated by interested parties, and the actual quality of this kind of glass is not understood by the ordinary buyer.

From a recent letter from the American Window Glass Company, who are recognized authorities on this subject, addressed to one of their customers, we quote as follows:

"We exceedingly regret that the architect saw fit to reject this glass. We do not claim our 32 ounce glass to be as good as plate.

"As you are well aware, it is a blown article and it would be a physical impossibility to make it without waves. We can positively state that there is no 32 ounce glass made in this country or abroad that is superior to our glass, and the only glass you could get that would be superior in quality would be polished plate glass, as the grinding of the glass makes it smooth and free from waves.

"As I understand, these lights are of average large size for building purposes, and it is natural that the larger the light is the more the waves will show. If this glass were in 6, 8 or 10-inch widths you could hardly tell it from plate glass."

In this connection, the so-called Crystal Sheet Glass is also a blown article, and is nothing more or less than a good quality of heavy blown window glass.

READY TO TAKE ORDERS.

The foreman swore at Cassidy for not fully loading up his hod. The hod, he said, would hold so many bricks and Cassidy must take a full load up the ladder every trip.

One morning the supply of bricks ran out, and Cassidy, after gathering every brick in sight, found he was still short of the proper number. He yelled up to a workman on the fifty story.

"What do you want?" asked the workman.

"Throw me down wan brick," shouted Cassidy, "to make good me load."

SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



Miscellaneous Construction News

Residence, near Wilmington, Del., \$250,000. Architects, McClure & Harper, Church Building, Wilmington. Owner, John J. Raskob, Dupont Building, Wilmington, Del. Stone, fireproof, 2½ stories, steam heating, electric lighting, tile and marble work, concrete fireproofing, dampproofing, parquet floors, cabinet work. Plans completed. Owner will soon award contract on a percentage basis.

Bank Building, Laurel, Del. Architect, Edward C. May, Dupont Building, Wilmington, Del. Owners, People's National Bank, E. E. Wooten, cashier, Laurel, Del. Brick, granite, terra cotta and steel, 2 stories, tin and copper roof, steam heating, electric lighting, marble work, composition flooring, metal lath, waterproofing, banking fixtures. Owners have purchased a new site. New plans will be drawn for a larger building.

Residence (alt. and add.), Philadelphia Pike, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Frank D. Lackey, Ninth and Market sts., Wilmington. Stone, 3 stories; new wing, 65x40 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors, metal lath, dampproofing. Plans in progress.

Apartment House, Wilmington, Del. Architects, E. L. Rice, Jr., & Co., 815 Market street, Wilmington. Owner's name withheld. Brick, stone and steel, 5 stories, 93x63 feet, slag and tile roof, vapor or hot water heating, electric lighting, tile, cork and hardwood floors, metal lath, metal sash, electric lighting, electric elevator, 4 dumb waiters, 19 gas ranges, laundry equipment, refrigerating plant, vacuum cleaning system. Architects taking bids.

Bank Building, Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Brick, granite and terra cotta, 2 stories, 30x67 feet, tin and copper roof, steam heating, electric lighting, tile and composition flooring, metal lath, dampproofing (banking

fixtures reserved). Architect taking bids. The following are figuring: Wm. D. Haddock & Co., 804 Orange street, Wilmington, Del.;

A. L. Elliott, Laurel, Del.; Singer-Pentz Co., Equitable Building, Baltimore, Md.; H. B. Pilehard, Pocomoke City, Md.

Miscellaneous Contracts Awarded

Office Building, Tenth and Market streets, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Frank D. Lackey, Ninth and Market sts., Wilmington. Brick, granite, terra cotta and steel, 3 stories, 30x70 feet, tin and copper roof, steam heating, electric lighting, composition flooring, metal lath, dampproofing. Contract awarded to J. A. Bader & Co., Dupont Building, Wilmington, Del.

Loft Building, Wilmington, Del., \$40,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, William Beadenkopf, Fourteenth and Walnut streets, Wilmington, Del. Brick, terra cotta and steel, 5 stories, 70x90 feet, slag and tin roof, steam heating, electric lighting, metal lath, steel sash, steel stairs, passenger and freight elevators. Contract awarded to A. S. Reed & Bro. Co., 815 Shipley street, Wilmington, Del.

MARYLAND Construction News

Apartment House, Linden avenue and Brooks Lane, Baltimore, Md. Architect, John Freund, 11 East Lexington street, Baltimore. Owners, Maryland and New York Building Co., Hoffman Building, Baltimore. Brick and steel, 3 stories and basement, 92x105 feet, slag roof. Plans in progress. Owner will soon be ready for sub-bids.

Dwellings (18), Oakenshawe street, south of Guilford avenue, Baltimore, \$70,000. Architects, Flourney & Flourney, 1512 H street, N. W., Washington, D. C. Owners, P. C. Mueller Building Co., 22 Gunther Building, Baltimore. Brick, 2 stories, slate roofs. Plans in progress.

Dwellings (7), Gorsuch avenue, near Elderslie avenue, Baltimore, \$9,100. Architect, John

R. Forsythe, 232 St. Paul street, Baltimore, Md. Owner, F. J. Brown, Baltimore, Md. Brick, 2 stories, 14x48 feet. Owner will take sub-bids on all lines.

Garage, Baltimore, Md. Architect, Franklin Zipp, Parkville, Md. Owner, Edward Bauernschmidt, 1528 North Gay street, Baltimore, Md. Brick, 1 story, 45x100 feet. Architect has received bids and will soon award contract.

Dwellings (15), Forest avenue, between Grantley and Forrest avenue, \$6,000 each. Architect, John R. Forsythe, 232 St. Paul street, Baltimore, Md. Owner, James T. Miller, Baltimore, Md. Brick, 2½ stories, 36x18 feet. Owner will take sub-bids on all lines.

MARYLAND Contracts Awarded

Factory Building (add.), Wicomico and Ostend streets, Baltimore, Md. Architect, private plans. Owners, Baltimore Tube Co., Baltimore, Md. Brick and concrete, 1 story, 52x226 feet. Contract awarded to West Construction Co., Knickerbocker Building, Baltimore.

Theatre (alt. and add.), Mt. Royal avenue, Baltimore. Architects, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owners, Mt. Royal Realty Co., Baltimore, Md. Seven new store fronts and addition, 184x165 feet. Contract awarded to Charles J. Stockhausen Co., Marine Bank Building, Baltimore.

Warehouse (add.), 1110-15 Park avenue, Baltimore, \$25,000. Architect, C. M. Anderson, 324 North Charles street, Baltimore, Md. Owners, Monumental Storage Co., on premises. Brick, 6 stories, 70x65 feet, fireproof. Contract awarded to J. J. O'Connor, 427 East Lexington street, Baltimore.

Church Building (add.), Monument and Stirling streets, Baltimore, Md., \$3,000. Architect, Oliver B. Wright, Munsey Building, Baltimore, Md. Owners, Monument Street Methodist Church, Baltimore, Md. Brick, 2 stories, 52x53 feet. Contract awarded to E. E. Thompson, Monument street, near Gay street, Baltimore.

Moving Picture Theatre, 846-48 West North avenue, Baltimore, \$18,000. Architects, Spark-

lin & Childs, Law Building, Baltimore, Md. Owners, Linden Co., 503-06 Law Building, Baltimore. Brick and concrete, 1 story, 39x150 feet, composition roof, low-pressure steam heating, indirect lighting system. Contract awarded to Henry S. Ripple, 7 Clay street, Baltimore.

Garage, Maryland and Mt. Royal avenue, Baltimore. Architects, Smith & May, 1133 Calvert Building, Baltimore. Owner, William H. Marcus, care of Marcus & Horkheimer, 525 Equitable Building, Baltimore. Brick, 2 stories, 77x85 feet. Contract awarded to Consolidated Eng. Co., Baltimore, Md.

Garage and Repair Shop, 27-31 South Charles street, Baltimore. Architect, Clyde N. Friz, 1523 Munsey Building, Baltimore. Owners, Mid-City Garage and Motor Co., care of John W. Frick, president, Baldwin & Frick, Keyser Building, Baltimore. Reinforced concrete, 1 story, 200 car capacity. Contract awarded to Cogswell-Koether Co., 406 Park avenue, Baltimore.

Store Building (alts.), 19 West Lexington street, Baltimore, \$3,000. Architect, Francis E. Tormey, 813 Newington avenue, Baltimore. Owner, Maurice Wyman, Baltimore, Md. Consists of new front and interior alterations. Contract awarded to Monmonier & Sorrell, 1711 McCulloh street, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

R. H. Pugh (O), 5713 Market street. Cost, \$24,400. Eight dwellings, stone and brick, 2 stories, 16x47 feet, Cobsb Creek Parkway and Angora street.

Isadore Bloom (O), Twelfth and Bainbridge streets. Charles Glasshoffer (C), 1119 Germantown avenue. Cost, \$3,800. Two stores and dwellings, brick, 3 stories, 15x31 feet, 1321-23 Bainbridge street.

Franklin M. Faulkner (O), 2331 East Cambria street. Cost, \$26,500. Seventeen stores and dwellings, brick, 2 stories, 14x30 feet, Monmouth and Gaul streets.

P. William Huster (O), 1309 West Russell street. Cost, \$28,000. Eight dwellings, stone and brick, 2 stories, 16x50 feet, 1508-22 Sixty-eighth avenue, Philadelphia.

Charles F. Jenkins (O), Washington Lane and Green street. William J. Gruhler Co. (C), 219 High street. Cost, \$27,000. Dwelling, stone, 3 stories, 88x68 feet, Kitchens Lane and Wissahickon avenue.

Lorenzon Bros. (O), 27 East Abington avenue. Cost, \$800. Shop building, stone and brick, 2 stories, 16x38 feet, 8114 Devon street.

Samuel Berger (O), 1950 North Sixth street. Cost, \$13,600. Nine dwellings, brick and stone, 2 stories, 14x36 feet, Second and Mentor streets.

Henry Scarborough (O), 522 Walnut street. William Cooper (C), 4722 North Fifteenth street. Cost, \$23,800. Nine dwellings, brick, 2 stories, 15x37 feet, Fifteenth and Loudon streets.

George Zehr (O), 3509 Penhurst street. Cost, \$3,100. Two dwellings, brick, 2 stories, 16x32 feet, Hurley and Ontario streets.

C. H. Masland & Sons (O), Westmoreland and Collins streets. William Steele & Sons Co. (C), 1600 Arch street. Cost, \$25,000. Manufacturing building, brick, 4 stories, 79x81 feet, Westmoreland and Collins streets.

Henry Lazar (O), 771 Brewster avenue. Cost, \$330,400. Nineteen dwellings, brick, 2 stories, 14x34 feet, Salmon and Schiller streets.

James Stewart (O), 4552 Manayunk avenue. Cost, \$5,000. Two dwellings, stone and brick, 15x44 feet, 4022-24 Pechin street, Roxborough.

Cost, \$900. Dwelling, 3608 North Seventh street.

Perkins McNeely (O), Wayne avenue and Bristol street. N. M. Bean (C), 4411 Germantown avenue. Cost, \$1,000. Manufacturing building, Wayne avenue and Bristol streets.

Louis S. Heim (O), 53 North Fifty-second street. J. P. Collins (C), 5135 Market street. Cost, \$515. Store and dwelling, 152 North Fifty-second street.

William A. Good (O), 2951 Kensington avenue. Matthew Morrison & Son (C), 2322 North Howard street. Cost, \$2,500. Store, Indiana avenue and Kensington avenue.

A. Pascoe (O), 1620 North Marshall street. Harry Slass (C), 1809 North Seventh street. Cost, \$1,350. Store and dwelling, 1627 West Venango street.

Frank Mauran (O), 239 Land Title Building. R. M. Neff (C), 6610 Germantown avenue. Cost, \$3,750. Two garages, 605 East Phil Ellena street and Anderson and Phil Ellena streets. Cost, \$2,150. Garage, 820 Armon Road.

Abbott's Dairies (O), Thirty-first and Chestnut streets. Boon & Sample (C), 1708 Arch street. Cost, \$1,900. Stable, 3412 Lancaster avenue.

Mrs. Robert C. H. Brock (O), 1612 Walnut street. Thomas Little & Sons (C), 1713 Moravian street. Cost, \$2,500. Studio, Sixteenth and Chancellor streets.

Simonin & Sons (O), Belgrade and Schiller streets. Carter Paving Co. (C), 641 North Eighteenth street. Cost, \$475. Factory, Belgrade and Schiller streets.

Miscellaneous Construction News

James Buckley (O), 1713 South Fourth street. Peterson Bros. (C), 1203 Hadson avenue, Camden, N. J. Cost, \$300. Saloon and dwelling, Eleventh and Shunk streets.

William & Frank Brobden (O), 243 East Ontario street. S. Matthews & Co. (C), 916 North Ninth street. Cost, \$2,000. Factory, 243 East Ontario street.

Estate of E. Williamson (O), 710 North American Building. Frank G. English (C), 1608 North Carlisle street. Cost, \$2,400. Factory, Strawberry street.

Mrs. W. Shrinfield (O), Thirtieth and Susquehanna avenue. Frank G. English (C), 1608 North Carlisle street. Cost, \$700. Morgue, Thirtieth and Susquehanna avenue.

Schreiber & Steinhauser (O), 5424 North Fifth street. Cost, \$1,000. Bank, 433 East Tabor Road.

A. Weil (O), 1220 Race street. Lam Building Co. (C), 1001 Wood street. Cost, \$1,000. Store, 835 Arch street.

Chalbro Bros. (O), 38 South Water street. S. Svilickowsky (C), 1112 McKean street. Cost, \$450. Store and dwelling, 2611 Germantown avenue.

I. Wolfson, M. D. (O), 1001 South Sixth street. Cost, \$300. Store and dwelling, 329 South street.

Morris Love (O), 3224 Arlington street. Isvare & Malkin (C), 425 Poplar street. Cost, \$300. Store and dwelling, 1915 North Thirty-first street.

Rittenhouse Trust Co. (O), 1323 Walnut street. Russell & Keffer (C), Commercial Trust Building. Cost, \$450. Store and dwelling, 4147 Lanraaster avenue.

Joseph Manaokse (O), 2533 Ontario street. A. Codamo (C), 1737 Hicks street. Cost, \$450. Store, 2662 East Westmoreland street.

General Processing Co. (O), Willard and Collins streets. William Steele & Sons Co. (C), 1600 Arch street. Cost, \$400. Two stores, Willard and Collins streets.

Louis Mars (O), Broad and Moore streets. Philip Savar (C), 718 Snyder avenue. Cost,

\$550. Store and storage, 437 South street.

Samuel B. Wench (O), 2016 East Dauphin street. H. A. Leister (C), 1808 Harrison street. Cost, \$950. Garage, 2030 East Dauphin street.

Gilbert Spruance (O), 310 North Third street. Frank I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$1,780. Manufacturing building, 310 North Third street.

Mrs. S. Gillingham (O), 809 North Forty-second street. George W. Gardner (C), 511 North Fortieth street. Cost, \$325. Dwelling, 816 North Forty-second street.

B. MacMacken (O), 5957 Cobbs Creek Parkway.

E. J. Wood & Co. (O), 1806 Filbert street. C. J. Platt (C), 1015 Arch street. Cost, \$350. Stable and dwelling, 1910 Brandywine street.

Tony Grulante (O), 224 North Sixty-fifth street. Cost, \$350. Garage, 225 North Daggett street.

Philadelphia Steel and Forge Co. (O), Tacony, Philadelphia. J. A. Hand (C), 8029 Frankford avenue. Cost, \$300. Engine room and workshop, Milnor and Bleigh streets.

Frank & Seder (O), Eleventh and Market streets. Standard Const. Co. (C), 820 Drexel Building. Cost, \$1,400. Store, Eleventh and Market streets.

S. Sadiecki (O), 4551 Milnor street. Christian Dear Sons (C), Third and Northeast Boulevard. Cost, \$400. Dwelling, 4553 Milnor street.

J. Reed (O), 1609 West York street. F. A. Isphording (C), 1527 West Dauphin street. Cost, \$315. Dwelling, 1609 West York street.

Somerton M. E. Church (O), Somerton, Philadelphia. William D. Bubeck (C), Somerton, Philadelphia. Cost, \$570. Church, Cemetery Road and Poquessing avenue.

H. L. Weiner, Jr. (O), Stephen Girard Building. E. Tourison (C), 1001 Chestnut street. Cost, \$9,900. Dwelling, Cheltenham avenue and Morris street.

Al. Riegel (O), 3604 North Seventh street. David Shull (C), 3602 North Seventh street.

A STRONG ELEMENT IN VALUES.

The Minnesota State Art Commission contends that there is a "dollar and cents value" to "Art," and cites consular reports in proof of the statement. Every builder consciously or unconsciously proves the same thing. One house is a success. Why? The people like it; it is convenient; it is well arranged; it is good to look at and to live in. In other words, it is well designed. It is a good piece of work, well conceived and well executed.

People have set up a shrouded form which they have called "art" and which they have sought to worship in art museums and picture galleries, neglecting the humble applications of this great power and thereby losing its dynamic force. Art is from the same Latin root as artisan. It means work that is well done; work so well done that like a perfectly cut jewel, you may look at it from any point of view and still find no flaw in it. It must be carefully thought out, logical and consistent; it must be so well done that it is always good to look at; it must fully and completely fit the need for which it is intended. The essential parts must be co-ordinated each to the other. It is not necessary to strive after certain effects. The "perfect piece of work" becomes a "work of art."

This "perfect piece of work," when he approximates it, is the chief asset of the builder and makes great architecture. It is the object toward which the home builder is working. Beauty has undoubtedly an economic value.

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****TO MAKE EVEN MORE ATTRACTIVE** the night school classes for workingmen, the Trenton (N. J.) Board of Education has decided to establish an evening class in the manufacture of pottery. A room in the plant of the Thomas Maddock's Sons Pottery Co. has been provided free of charge, the city paying for the services of the teacher. This innovation will be made to let the men living in the neighborhood of the pottery feel that they are at liberty to attend the class under less formal circumstances than some think they can do at present. These men, the majority of who work in the pottery by day, will be welcomed in the clothes they wear in the shop. Archibald M. Maddock, president of the pottery, has taken a deep interest in the advancement of his men and for some time has had a private class in the trade in the afternoon. A local high school teacher has been employed by the firm to give the course of study in the afternoon, but the evening class, it is believed, will furnish more men with an opportunity to improve their skill.

****F. A. HOILES, OF ALLIANCE,** was elected president of the Ohio Face Brick Manufacturers' Association at the annual meeting held in Columbus, December 15. George J. Markley was elected vice-president; L. G. Kilbourne, treasurer, and Carl C. Walters, secretary.

****NATIONAL ASSOCIATION OF BUILDERS' EXCHANGES** will hold its annual convention at the Hotel Emerson, Baltimore, Md., February 22-24, 1916. Secretary J. M. Vollmer, Louisville, Ky.

****THE SECOND ANNUAL MEETING** of the New Jersey Clay Workers' Association drew together an enthusiastic representation of Jersey's manifold clay activities. It was held at Rutgers College, New Brunswick, N. J. The newly elected officers were: Charles Weelans, Monument Pottery, Trenton, N. J., president; Howard Valentine, of R. N. & H. Valentine, Woodbridge, N. J., vice-president, and Cullen W. Parmelee, Rutgers College, New Brunswick, N. J., secretary-treasurer. Members of the Executive Committee: H. C. Mehrhoff, Little Ferry, N. J.; D. H. Applegate, Red Bank, N. J.; William Bedson, Trenton, N. J.; Douglas Fisher, Sayreville, N. J.; John H. Leisen, Woodbridge, N. J.; August Staudt, Perth Amboy. C. A. Bloomfield, retiring president, was unanimously elected an honorary member of the Executive Committee.

****A. W. SCHERER,** architect, 136 South Main street, Dayton, Ohio, desires samples and catalogues from manufacturers and jobbers interested in the building trades.

****LUX MANUFACTURING CO.,** Hoboken,

N. J., recently appointed R. A. Berrenberg general salesmanager of the company.

****L. W. SCHAEFER,** architect, has opened an office for the practice of his profession in the Terrace Building, St. Cloud, Minn., and desires catalogues and samples from manufacturers interested in the building trades.

****J. A. LOHMAN,** architect, Donora, Pa., has taken his son, F. A. Lohman, into partnership with him in the practice of his profession. The business will in future be conducted under the firm name of J. A. Lohman & Son.

****JAMES E. TAYLOR,** formerly Street Commissioner of Paterson, N. J., has organized the James E. Taylor Contracting Co., which will make a specialty of rigging, heavy trucking, structural steel construction and the erection of boilers and stacks.

****NATIONAL BUILDERS' SUPPLY ASSOCIATION** will hold its annual convention at Cleveland, O., February 17-19, 1916. Headquarters at the Hotel Statler.

****CECIL MOOKE,** formerly connected with the Nazareth Cement Company, 1270 Broadway, has recently joined the selling force of the P. F. Kenny Co., 33 Old Broadway, New York.

****AMERICAN ENAMELED BRICK AND TILE CO.** has moved its general offices to the third floor of the Vanderbilt Concourse Building, 52 Vanderbilt avenue. Announcement is made that the newly formed Hay, Walker Brick Company, of New York, with adjoining offices, will be the selling agents of this company in the metropolitan district and with whom Messrs. Andrew A. Ayres and William G. Black, formerly of Carter, Black & Ayres, will be associated. J. Francis Booream is secretary and treasurer and C. A. Gardner general sales manager of the American Enameled Brick and Tile Co.

****NATIONAL ASSOCIATION OF BUILDERS' EXCHANGES** will hold its annual convention at the Hotel Emerson, Baltimore, Md., February 22-24, 1916. Secretary, J. M. Vollmer, Louisville, Ky.

****ONE OF THE MOST INTERESTING REPORTS** presented at the recent convention of the American Institute of Architects was that of the Committee on Contracts and Specifications, which recorded the completion of the new Standard Documents of the Institute and which represent the results of the joint committee of the American Institute of Architects and of the National Association of Builders' Exchanges. In connection with this matter great credit is due to the tact and perseverance of Frank Miles Day, a former president of the institute, and to the committee of which he was the head.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 8, 1916.—Sealed proposals will be received at this office until 3 P. M., March 21, 1916, and then opened, for the interior finish (except mechanical equipment and elevator) and completion of the approaches of the United States post office, at New Haven, Conn., in accordance with drawings and specifications, copies of which may be had at this office or at the office of the architect, James Gamble Rogers, 470 Fourth avenue, New York City, in the discretion of the Acting Supervising Architect. The building is of approximately 28,000 square feet ground area; three stories and basement; fireproof construction. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 8, 1916.—Sealed proposals will be opened in this office at 3 P. M., March 21, 1916, for the installation complete of the mechanical equipment (except elevators, lifts, and lighting fixtures) of the United States post office at New Haven, Conn., in accordance with drawings and specifications, copies of which may be obtained from this office, or at the office of the architect, Jas. Gamble Rogers, 470 Fourth avenue, New York City, in the discretion of the Acting Supervising Architect. James A. Wetmore, Acting Supervising Architect.

HAD TO HAVE AN OFFICE.

An inherited fortune and the disposal of an organized business enabled a well-known Chicagoan to retire. He had the inclination for leisure, but could not surrender the idea of having a definite business abiding spot.

He rented an office in a loft building and went to Europe. After a six months' absence he returned, looked the building over and went to South America. Then, after again verifying the report that the building was not crumbling, he took a jaunt to Japan.

Not long ago one of his old cronies said:

"Frank, why don't you give up your office—you don't need it?"

"That's true," said Frank. "I would give it up, but I don't know what to do with the rug."

There never was, never will be, a better medium for the man who has something to sell to a given class of buyers than the trade paper whose circulation is limited to that class. Newspapers with their swollen circulations strike at best but a chance target here and there. The trade paper carries your rifle fire to targets exclusively. You can't miss,—if your ammunition's right.

Reference Directory for Architects, Builders and Owners

Artesian Wells.

Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co.....Bourse Bldg., Phila.
John B. Rulon.....1355 Colwyn st., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Asphalt Shingles.

Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Blue Prints.

Chas. H. Robbins.....125 S. 11th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Blue Print Paper.

Chas. H. Robbins.....125 S. 11th st., Phila.

Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

Brick Renovating.

Adolph Christensen.....1433 Brown st., Phila.
John Gallatig447 W. Dauphin st., Phila.

Builders.

James P. Farrell & Co.....1619 Sansom st., Phila.
Graham-Campion Co.....Heed Bldg., Phila.
Mitchell Bros.....2125 Race st., Phila.
Pomeroy Const. Co.....1609 Ranstead st., Phila.
Russell and Keffer,
Commercial Trust Bldg., Phila.

Builders' Iron Work.

James G. Madden...Franklin Bank Bldg., Phila.

Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.
Knickerbocker Lime Co...366 N. 24th st., Phila.

Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Knickerbocker Lime Co...266 N. 24th st., Phila.
Lehigh Portland Cement Co., Penna. Bldg., Phila.

Cement Colors.

Samuel H. French & Co.,
4th and Callowhill sts., Phila.

Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

Concrete Construction.

Turner Concrete Steel Co..1715 Sansom st., Phila.

Concrete Mixers.

Pierce-Schmidt Co.....Bulletin Bldg., Phila.

Contractors' Equipment.

Pierce-Schmidt Co.....Bulletin Bldg., Phila.

Dampproofing.

The Aquabar Co...Real Estate Trust Bldg., Phila.
Barrett Mfg. Co.....N. Y. City and Phila.
Builders' Steel Products Co.,
131-133 S. 24th st., Phila.

Door Hangers.

Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
Richards-Wilcox Mfg. Co....50 N. 6th st., Phila.

Drawing Materials.

Charles H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Electrical Specialties.

Large-Dail Mfg. Co.....114 N. 13th st., Phila.

Electrical Construction.

Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,
10th and Chestnut sts., Phila.

Engineers' Supplies.

Charles H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Fences.

Anchor Post Iron Works,
Real Estate Trust Bldg., Phila.

Fireproofing.

Builders' Steel Products Co.,
131-133 S. 24th st., Phila.
Pearce Fireproof Co.....1345 Arch st., Phila.

Flooring.

Currie & Campbell Commonwealth Bldg., Phila.
Frank C. Gillingham & Son Co.,
Richmond and Norris sts., Phila.

Furnaces.

Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Furnaces and Ranges.

Borden Stove Co.....118 N. 2d st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

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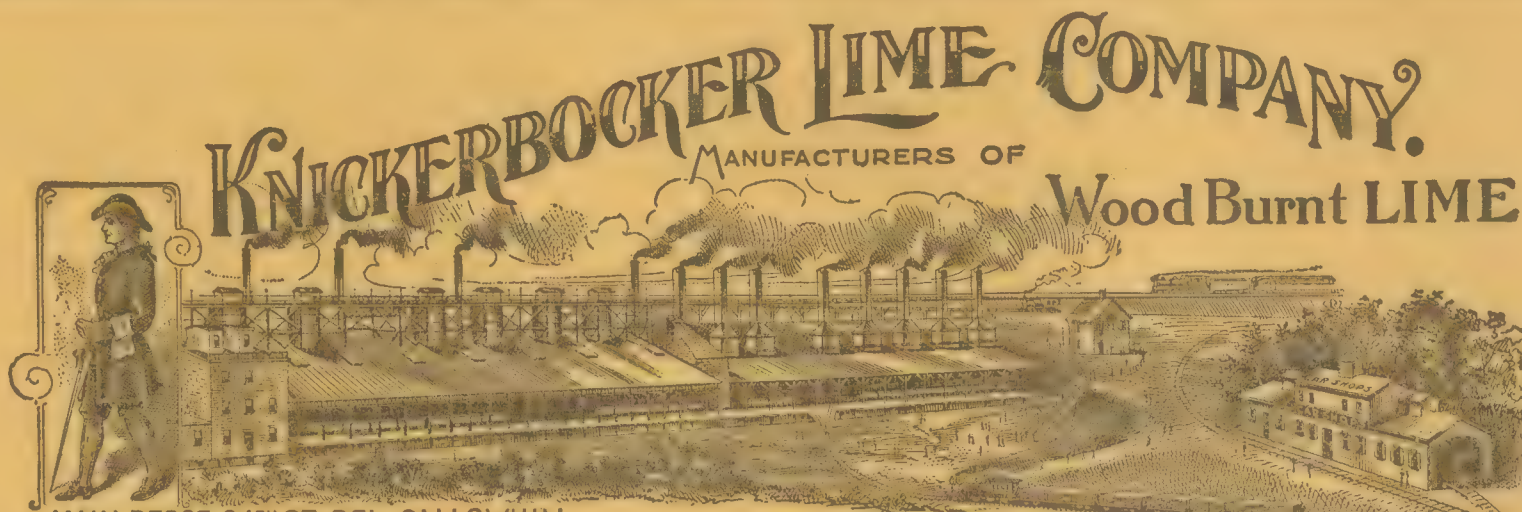
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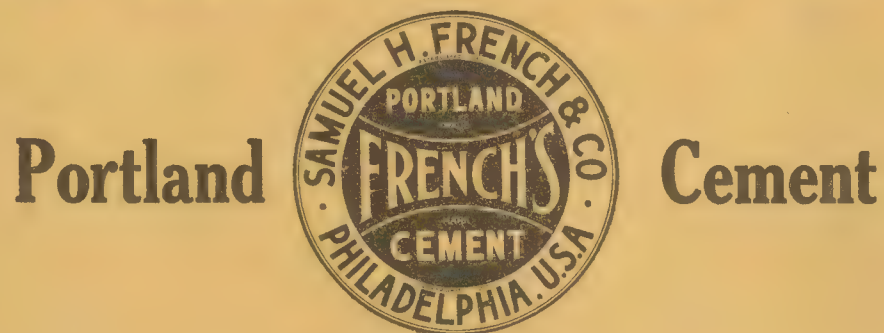
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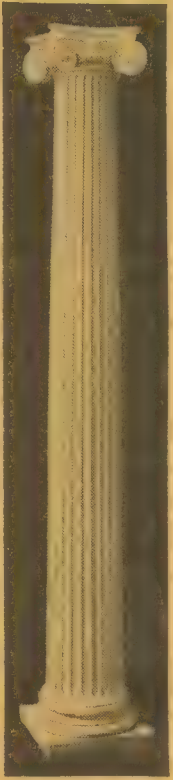
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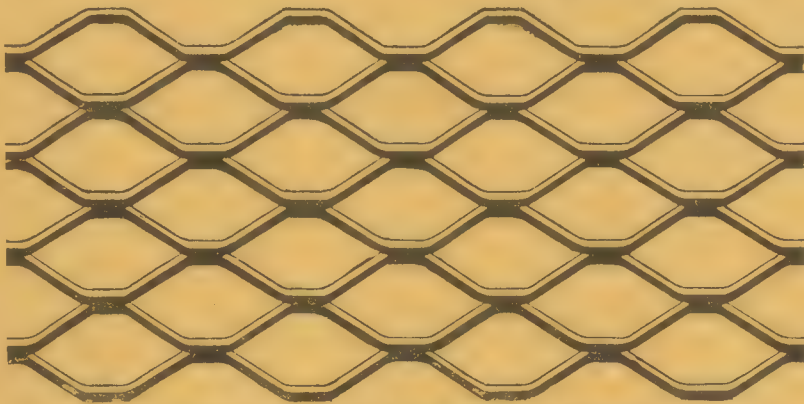
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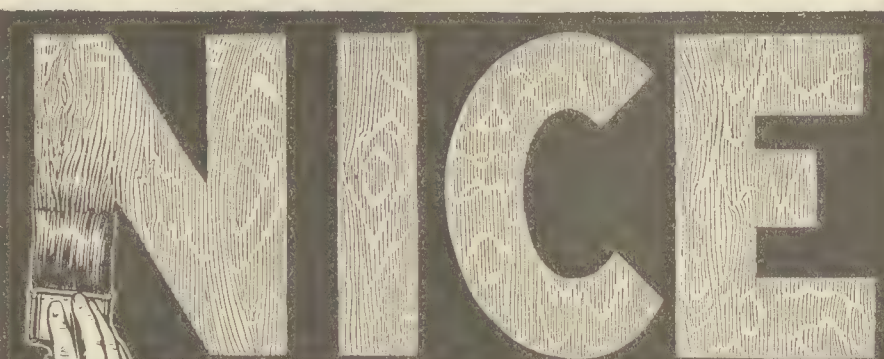
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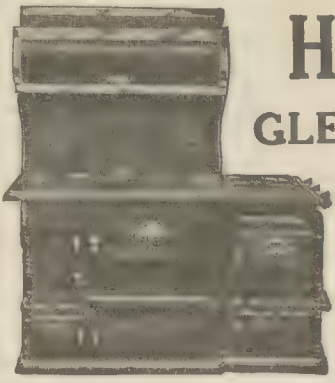


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Vol. XXXI., No. 8.

PHILADELPHIA, WEDNESDAY, FEBRUARY 23, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence, Germantown, Philadelphia, \$15,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Wm. M. Longstreth, 230 Chestnut street, Philadelphia. Stone, 2½ stories, 65x33 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Architects taking bids, due February 28th. The following are figuring: William J. Gruhler & Co., 219 East High street; I. A. Dunkelberger, 71 East Herman street; F. B. Davis, 240 North Sixteenth street; F. L. Hoover & Sons, 1023 Cherry street; James B. Flounders, 1329 Arch street; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia; W. John Stevens, Wyncote, Pa.

Waiting Room, Twenty-sixth and Christian streets, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Brick, 2 stories, 30x23 feet, iron stairs, ornamental iron gates, hollow tile and reinforced concrete floors, steel sash, hollow metal doors, tile and mosaic work. Architect taking bids, due February 24th. The following are figuring: F. W. Van Loon, Denckla Building; Cramp & Co., Denckla Building; Pomeroy Construction Co., 1619 Ranstead street; Charles Gilpin, Harrison Building; Fidelity Construction Co., Heed Building, Philadelphia.

Bank Building, southwest corner Twelfth and Chestnut streets, Philadelphia, \$250,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Beneficial Saving Fund Society, on premises. Granite and marble or limestone and steel, 2 stories, 50x140 feet, copper roof, steam heating, enameled bricks, waterproofing, metal lath, metal lockers, metal doors and trim, marble and tile roof (vaults, elevator, electric work, bronze work, finished wood floors reserved). Architect taking bids, due February 28th. The following are figuring: Thomas Reilly, 1616 Thompson street; Cramp & Co., Denckla Building; George F. Payne & Co., 401 South Juniper street; Doyle & Co., 1519 Sansom street; William J. McShane, 417 South Thirteenth street; Melody & Keating, Bailey Building; A. Raymond Raff Construction Co., 1635

Thompson street; Charles McCaul Co., 1713 Sansom street, Philadelphia.

Stores and Flats (alt. and add.), 1122 and 1124 Pine street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, Lewis King, 928 Pine street, Philadelphia. Brick, 3 stories, slag roof, metal ceilings, hot air heating, electric lighting, tile and marble work. Architect taking bids, due February 21st. The following are figuring: Smith-Hardican Co., 1606 Cherry street; J. F. Trent, 2041 Master street; C. A. Le Gates, 322 North Gross street, Philadelphia.

Residence, Cheestnut Hill, Pa. Architect, private plans. Owner, William Adair, 8204 Seminole avenue, Chestnut Hill, Pa. Brick, 2 stories, 16x52 feet, tin roof, hot water heating. Owner taking bids, due February 23rd. George S. Roth, 230 East Gravers lane, is figuring.

Residence, Wissahickon avenue, above Upsal street, \$9,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, 607 West Upsal street, Germantown. Stone, 2½ stories, 36x48 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Revised plans in progress.

Garage, 1231-1233 Wood street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Thomas Watson, 324 North Thirteenth street, Philadelphia. Brick, 1 story, 32x70 feet, slag roof, steam heating, electric lighting, cement floors. Architect taking bids, due February 23rd. The following are figuring: John A. Conori, 1329 Arch street; Bailey-Lush Co., 201 North Broad street; Joseph Bird Co., 213 North Eleventh street; W. W. Anstine & Co., 1218 Filbert street; S. Bannett & Son, Drexel Building; A. H. Spenard, 822 Wood street, and Lam Building Company, 1001 Wood street, Philadelphia.

Experimental Building, Delaware River and Dark lane. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, National Ammonia Co. of Pennsylvania, Van Kirk street and Delaware River. Corrugated iron, concrete foundations, 1 story, 51x19 feet, steel sash. Architects have received bids.

Intake and Well, Reed street yards, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete and timber, 10 feet diameter. Owners taking bids, due February 28th. John N. Gill & Co., Heed Building, Philadelphia, are figuring.

Store Front, 1524 Chestnut street, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Weightman Estate, on premises. Lessees, Browning, King & Co., on premises. Oak floors, tile and marble work, cabinet work, metal ceilings, metal lath (electric work reserved). Architects have received bids.

Locker Rooms (alt. and add.), 126 South Thirtieth street, Philadelphia. Architect, Herbert J. Wetherill, 328 Chestnut street, Philadelphia. Owners, Wetherill & Bro., on premises. Slag and reinforced concrete roof, reinforced concrete floors, electric lighting, fire door, maple floors, metal lath, iron stairs, metal lockers (heating and plumbing reserved). Architect has received bids.

Residence, Stenton and Meadowbrook avenues. Architect, L. V. Boyd, Harrison Building, Philadelphia. Brick and rough cut, 2½ stories, 28x70 feet, green slate roof, electric lighting, oak floors, tile work (warm air heating reserved). Architect has received bids.

Theatre, Germantown avenue and Venango street, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, J. Effinger, Forty-first and Lancaster avenue, Philadelphia. Brick, terra cotta, concrete and steel, 1 story, 130x145 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath. Architects have received revised bids.

Church, Fifty-sixth and Girard avenue, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Palatinate Reformed Church, Rev. F. E. Wieder, 1220 North Fifty-seventh street, Philadelphia. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Store Building (alt. and add.), 1714 Walnut street, Philadelphia. Architect, George I. Levatt, 418 Walnut street, Philadelphia. Own-

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vator, marble and tile work, cabinet work
and store fixtures. Plans about completed.
Architect will take bids in about one week.

Loft Building (add.), Seventh and Wood
streets, Philadelphia. Architect, Herman Mil-
ler, Crozer Building, Philadelphia. Owner,
Charles W. Lawser, 715 Cherry street, Phila-
delphia. Brick and reinforced concrete, 50x90
feet. Consists of two additional stories on
present 3-story building, slag roof, electric
lighting, electric freight and passenger ele-
vators, metal sash. Plans in progress. Archi-
tect will take bids in ten days.

Pier Work, Delaware River, Philadelphia.
Engineer, George S. Webster, Bourse Build-
ing, Philadelphia. Owners, City of Philadel-
phia, Department of Wharves, Docks and Fer-
ries, 550 Bourse Building. Consists of wood
block paving on concrete base at Chestnut
Street Pier, steel work at Dock Street Pier
and finishing and delivering lumber for 1916.
Owners taking bids, due February 25th at
noon.

Department Store (alts.), Eighth and Mar-
ket streets. Architect, Frank Seeburger,
Pennsylvania Building, Philadelphia. Owners,
Strawbridge & Clothier, on premises. Slag
roof, metal lath, fire doors (heating, electric
work and sprinkler system reserved). Archi-
tect taking bids, due February 25th. The fol-
lowing are figuring: Stacy Reeves & Sons,
2011 Market street; Smith-Hardican Co., 1606
Cherry street; H. E. Baton, Twelfth and San-
som streets; George & Borst, 277 South
Eleventh street; Pomeroy Construction Co.,
1609 Ransstead street, Philadelphia.

Saloon and Restaurant (alt. and add.), 6118
Market street, Philadelphia. Architect, H. E.
DeHoff, 48 South Sixty-first street, Philadel-
phia. Owner, Thomas Mullray, on premises.
Brick, 2 stories addition, 16x20 feet, slag roof,
electric lighting, steam heating, tile work.
Architect has received bids.

Pier No. 46 (alts.), Delaware River, Phila-
delphia. Architect, William H. Cookman,
Broad Street Station, Philadelphia. Owners,
Pennsylvania Railroad Co., Broad Street Sta-
tion, Philadelphia. Frame and galvanized
iron, consists of alteration to pier and new
bulkheads. Lowest bid submitted by John N.
Gill & Co., Heed Building, \$13,000.

Office Building, Sixth and Tabor road, \$25,-

000. Engineers, Day & Zimmerman, 611 Chest-
nut street, Philadelphia. Owners, Philadel-
phia Textile Machinery Co., Hancock and
Somerset streets. Reinforced concrete, 2 stor-
ies, 33x112 feet, slag roof, steam heating, elec-
tric lighting. Plans completed. Engineers
will take bids in a few days.

Central Library, Nineteenth and the Park-
way, \$3,500,000. Architect, Horace Trum-
bauer, Land Title Building, Philadelphia.
Owners, City of Philadelphia, Librarian, John
Thompson, Thirteenth and Locust streets.
Stone and steel, fireproof, 2 stories. Plans
about completed. Owners will soon advertise
for bids on the first section.

Residence, Germantown, Philadelphia. Ar-
chitects, Duhring, Okie & Ziegler, Bailey
Building, Philadelphia. Owner, Wm. E. Chap-
man, Widener Building, Philadelphia. Stone,
2 1/2 stories, shingle roof, hot water heating,
electric lighting, oak floors, tile work. Plans
in progress. Architects will take bids in
about ten days.

Store and Offices (alt. and add.), 1322 Race
street, Philadelphia. Architect, private plans.
Owners, Melody & Keating, Bailey Building,
Philadelphia. Brick, 3 stories, 20x120 feet,
slag roof, steam heating, electric lighting.
Owners taking sub-bids.

Convention Hall, Twenty-second street and
Parkway, \$1,300,000. Architect, J. T. Win-
dram, Commonwealth Building, Philadelphia.
Owners, City of Philadelphia, Department of
Public Works, George Datesman, Director,
City Hall, Philadelphia. Stone, brick, con-
crete and steel, 2 stories, fireproof. Architect
selected. Plans will be started at once and
bids taken in about two months.

Store (alt.), 5906 Germantown avenue,
Architects, Magaziner & Potter, 603 Chestnut
street, Philadelphia. Owner, James Hutchin-
son, on premises. Consists of general interior
alterations, new front. Architects taking
bids, due February 24th. The following are
figuring: Lam Building Co., 1001 Wood
street; Smith-Hardican Co., 1606 Cherry
street; F. A. Havens & Co., 845 North Nineteen-
teenth street; Fred Elvidge & Sons, 5522 Ger-
mantown avenue; Stacy Reeves & Sons, 2011
Market street; H. C. Dahl, 231 South Eighth
street, and James H. Walter, 168 East Walnut
lane, Philadelphia.

Store Building, southwest corner Broad and
Parrish streets, Philadelphia. Architect,
Charles E. Oelschlagler, Harrison Building,
Philadelphia. Owner, Charles L. Cahall, 3700

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Walnut street, Philadelphia. Brick and terra cotta, 2 stories, 20x108 feet, slag roof, electric lighting, electric elevator, metal lath, maple flooring (heating reserved). Architect taking bids, due February 28th. The following are figuring: Ketcham & McQuade, 1029 Brown street; I. T. Shoemaker, 1309 Walnut street; Stacy Reeves & Sons, 2011 Market street; Burd P. Evans & Co., Thirteenth and Wallace streets; A. Raymond Raff Construction Co., 1635 Thompson street; D. Henwood, 1509 Wood street.

Slaughter House, rear 1127 North Fortieth street. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, S. Nudossky, 2023 South Eighth street, Philadelphia. Brick, 2 stories, 18x16 feet, slag roof, tile wainscoting, combination lighting, metal ceilings, cement floors. Plans in progress. Owner will take sub-bids in about one week.

Alterations for Flats, Eighteenth and Norris streets, Philadelphia. Architect, private plans. Owner, C. D. Williamson, 1824 Norris street, Philadelphia. Brick, 3 stories, tin and canvas roof, hot water heating, electric lighting. Owner taking bids, due as soon as possible. Frank E. Wallace, 1220 Chancellor street; Stewart Bros., 2526 North Orkney street, and Hugh Hazlett & Son, 1701 North Twentieth street, are figuring.

Office Building, Sixth and Tabor road, \$25,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Philadelphia Textile Machinery Co., Hancock and Somerset streets. Reinforced concrete, 2 stories, 33x112 feet, slag roof, steam heating, elec-

tric lighting and plumbing reserved). Engineers taking bids, due February 26th. The following are figuring: Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth street; William Steele & Sons Co., 1600 Arch street; George & Borst, 277 South Eleventh street.

Residence, Wissahickon avenue, above Upsal street, \$9,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, 607 West Upsal street, Germantown. Stone, 2½ stories, 36x48 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architect taking revised bids, due March 1st. The following are figuring: Murphy & Co., 263 South Tenth street; Charles Johnson, 5701 Boyer street; I. A. Dunkelberger, 71 East Herman street; W. O. Springer, 1624 Latimer street; F. B. Davis, 240 North Sixteenth street; William J. Gruhler Co., 219 East High street, and Specht & Sperry, Heed Building.

Boiler, Laundry and Dormitory Building, Roxborough, Philadelphia. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Engineer, William H. Timm, Abbott Building, Philadelphia. Owners, St. Timothy's Hospital, Ridge avenue and Jamestown avenue. Brick and terra cotta, 2 stories, 39x35 feet, reinforced concrete floors, metal lath, tile and marble work, plaster block partitions (electric work, plumbing and heating reserved by engineer). Engineer taking bids, due February 28th. The following are figuring: James H. Wells, Heed Building; Wm. H. Edleman & Sons, 453 Green lane, Roxborough, Pa.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Branch Library, Hunting Park and Wayne avenues, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, City of Philadelphia, care of Librarian, John P. Thompson, Thirteenth and Locust streets. Stone, marble, steel, fireproof, 1 story, 84x38 feet; wing, 34x31 feet, slate and slag roofs, metal lath, waterproofing, marble and tile work, metal lockers, enameled bricks (heating and electric work separate bids). Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Factory Building (add.), Somerset and Tulip streets, \$10,000. Architect, private plans. Owners, John D. Grover & Sons Co.,

on premises. Consists of additional story on present warehouse, 47x152 feet, brick and steel, metal sash, slag roof. Contract awarded to P. Sax, Heed Building, Philadelphia.

Store and Business Building (alts.), 1017-21 Race street, \$12,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Barber Hartman & Co., 1201 Chestnut street, Philadelphia. Consists of new store fronts and interior alterations. Brick, 5 stories, fire doors, metal ceilings, elevator, dumb waiters. Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

Factory Building (alts.), 961 North Ninth street, Philadelphia. Architect, private plans.



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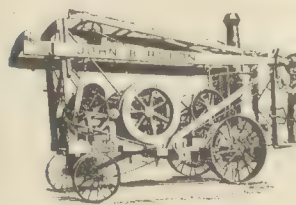
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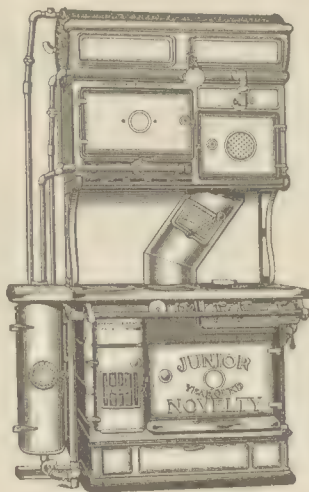
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Owners, I. X. L. Pump and Manufacturing Co., on premises. Consists of general interior alterations, reinforcing floors, etc. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets, Philadelphia.

Ice Manufacturing Plant, Wayne avenue and Juniata street, \$30,000. Architect, private plans. Owners, Midvale Ice Co., on premises. Brick, steel and concrete, 2 stories, slag roof, electric lighting. Contract awarded to Herman Veight, 1251 North Twenty-eighth street, Philadelphia.

Garage, Front and Allen streets, Philadelphia, \$12,000. Architect, private plans. Owner, Simon Weil, Front and Richmond streets, Philadelphia. Brick, 1 story, slag roof, steam heating, electric lighting. Contract awarded to B. Bernstein, 1510 North Franklin street, Philadelphia.

Department Store, 833-35 Market street, \$100,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Blauers, Inc., 833 Market street, Philadelphia. Brick, marble and terra cotta and steel, 4 stories, 43x200 feet, asphalt roof, vapor vacu-

um heating, electric lighting, maple floors, tile, marble and mosaic work, kalamein doors, metal sash, iron stairs, metal lath, waterproofing. Contract awarded to Fleischmann Const. Co., 7 West Forty-fifth street, New York City.

Stores (6), 673 to 678 North Broad street and 1384 and 86 Spring Garden street, \$20,000. Architect, private plans. Owners, O. & L. Eisenberg, 203 North Broad street, Philadelphia. Brick and terra cotta, 2 stories, 72x89 feet, slag roof, hot water heating, electric lighting, metal lath, tile work. Contract awarded to S. Lashner, Fifth and Morris streets.

Maternity Building, Forty-first and Parrish streets, \$75,000. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, West Philadelphia Hospital for Women, on premises. Brick and reinforced concrete floors, 2 stories, 93x47 feet, Barrett roof, metal lath, metal doors and trimmings, metal lockers, electric elevator, terrazzo floors (heating, plumbing and electric work reserved). Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

PENNSYLVANIA

Construction News

Bank and Office Building, Chester, Pa., \$150,000. Architects, Mowbray & Uffinger, 56 Liberty street, New York City. Owners, Delaware County Trust, Safe Deposit and Title Insurance Co., Third and Market streets, Chester, Pa. Marble, terra cotta, brick and steel, fireproof, 6 stories, 49x112 feet, composition roof, steam heating, electric lighting, electric elevator. Plans in progress.

Residence, Lyndell, Pa. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, John A. Murphy, Andalusia, Pa. Stone and frame, 2½ stories, 30x50 feet; wing, 20x30 feet, shingle roof, hot water heating, electric lighting. Plans about completed. Architects will take bids in about one week.

Residence and Garage, Narberth, Pa. Architect, private plans. Owner, James MacMack-en, 41 South Fifteenth street, Philadelphia. Hollow tile and plaster, 2½ stories, shingle roof, vapor heating, electric lighting, oak floors, tile work. Owner taking sub-bids.

Apartment House (alt. from Coatesville

Opera House), Coatesville, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner's name withheld. Will consist of changing present opera house into 4-story apartment house, containing 24 apartments, heating not decided, electric lighting, passenger elevator and new plumbing. Plans about completed. Architect will take bids in about one week.

High School, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Board of Education, Lancaster, Pa. Brick, 2½ stories, 150x150 feet, slag roof, maple floors, metal lath, dampproofing (heating, plumbing and electric work separate bids). Lowest bidders, Herman Wohlsen, Lancaster, Pa., \$159,983; Warren, Moore & Co., Commercial Trust Building, Philadelphia, \$172,772.

Parochial School, Berwyn, Pa., \$30,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, St. Monica's R. C. Church, Rev. John C. Carey,

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Berwyn, Pa. Brick and terra cotta, 2 stories, 66x96 feet, Carey's roof, metal lath, concrete and hollow tile fireproofing, maple and composition floors, slate blackboards (plumbing, heating and electric work reserved). Architect taking revised bids, due February 25th. The following are figuring: Specht & Sperry, Heed Building; Jacob Myers & Sons Co., Witherspoon Building; William J. McShane, 417 South Thirteenth street; John McShain, 1610 North street, Philadelphia; Philip S. Davis, Ardmore, Pa.; William H. Parlamen, Devon, Pa.

Storeroom, Wyncote, Pa. Architect, private plans. Owners, Philadelphia & Suburban Gas and Electric Co., Jenkintown, Pa. Brick, 2 stories, 39x2 feet, slag roof, maple floors. Owners have received bids.

Residence (alts.), Bryn Mawr, Pa. Architects, Brookie & Hastings, 1713 Sansom street, Philadelphia. Owner, Dr. Charles J. Jones, Bryn Mawr, Pa. Consists of interior alterations only, electric lighting, tile and marble work, metal lath. Architects taking bids, due February 23rd. The following are figuring: F. E. Wallace, 1220 Chancellor street; Stacy Reeves & Sons, 2011 Market street; J. P. Thompson, Real Estate Trust Building, Philadelphia, and Gray Bros., Rosemont, Pa.

School and Chapel, Collingdale, Pa. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Joseph's R. C. Church, care of Rev. Otho C. Gremell, Collingdale, Pa. Stone, 2 stories. Details not decided. Plans in progress.

School (alt and add.), Greencastle, Pa., \$15,000. Architect, N. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Board of Education, C. F. Fletcher, secretary, Greencastle, Pa. Brick, limestone and steel, 2 stories, 75x34 feet, slag roof (steam heating, plumbing and electric work separate bids). Owners taking bids, due February 26th. The following are figuring: Jacob Shank, Greencastle, Pa.; C. E. Hollinger, Shady Grove, Pa.; J. Frank Gilbert, Greencastle, Pa.

Church and Sunday School, Wind Gap, Pa., \$40,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Reformed Lutheran Church, Rev. W. A. Dries, Wind Gap, Pa. Brick, 1 story, 100x100 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Easton, Pa., \$12,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owner, H. C. Shanp, Easton, Pa. Hollow tile and plaster, 2½ stories, 40x60 feet, tile roof, vapor heating, electric lighting, oak floors, tile work. Plans completed. Owner is ready for bids.

Storehouse, Mahanoy Plane, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Brick, 1 story, 15x84 feet, slag roof, electric lighting (oil storage system and heating reserved). Owners taking bids, due February 25th. H. E. Batton, Twelfth and Sansom streets, Philadelphia, is figuring.

Residence, Penfield, Pa. Architect, A. B. Gill, 1655 North Fifty-sixth street, Philadelphia. Owner, J. A. Emminger, care of architect. Hollow tile, stone and plaster, 2½ stories, 30x30 feet, tile roof, hot water heating,

electric lighting, tile work, hardwood floors. Architect has received bids.

Residence, York, Pa., \$10,000. Architect, J. B. Hamme, Wiest Building, York, Pa. Owner, Joseph Warden, York, Pa. Hollow tile and stucco, 2½ stories, 33x40 feet, tile roof, vapor or hot air heating, electric lighting, hardwood floors, tile work, dampproofing. Architect taking bids, due February 22nd. The following are figuring: J. Elmeno & Son, Hess Bros., Caspar H. Oerman, George W. Gilbert, C. H. Hollinger and C. A. Boyer & Son, all of York, Pa.

Asphalt Plant, Harrisburg, Pa., \$4,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, City of Harrisburg, City Hall, Harrisburg, Pa. Brick, 1 and 2 stories, 30x36 feet and 30x50 feet, slag roof. Owners taking bids.

Store Building (alt. and add.), Lebanon, Pa., \$10,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Lewis Samuels, Lebanon, Pa. Brick, 3 stories, steam heating, electric lighting. Plans in progress.

Bank Building (alts.), Ledistown, Pa. Architect, J. B. Hamme, Wiest Building, York, Pa. Owners, Russell National Bank, Ledistown, Pa. Brick and stone, 1 story, 30x55 feet, electric lighting, tile work, dampproofing, banking fixtures, metal furniture. Plans in progress.

Factory, Reading, Pa. Architect, Fred Muchlenburg, 706 Colonial Trust Building, Reading, Pa. Owners, Penn Optical Co., H. L. Miller, general manager, Reading. Reinforced concrete, 3½, 1½ and 1½ stories, 50x100 feet, 130x60 feet and 100x50 feet, slag roofs, steam heating, electric lighting, reinforced concrete floors, waterproofing and dampproofing, fire towers, one elevator, metal sash and doors. Plans in progress.

High School, Kutztown, Pa. Architect, E. Z. School, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. C. Bordner, secretary, Kutztown, Pa. Brick, 3 stories. Details not decided. Plans in progress.

Store and Apartment (alt. and add.), Ninth and Court streets, Reading. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, H. L. Boas, Reading, Pa. Brick, 3 stories, 20x60 feet, composition roofing, steam heating, electric lighting. Plans in progress.

Church (superstructure), Steelton, Pa., \$22,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Mary's (Creation) R. C. Church, care of Rev. A. Zuvich, Steelton, Pa. Brick and concrete, 1 story, 50x100 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residences (15), Eighth and Locust streets, Lebanon, Pa., \$45,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Reinlof Boyer, Lebanon, Pa. Brick and stone trimmings, 2½ stories, 16x40 feet, slate and composition roof, vapor heating, electric lighting. Plans in progress.

Bungalow, Mt. Penn, Pa., \$2,800. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Lewis P. Allen, Mt. Penn, Pa. Frame and stucco, 1 story, 26x34 feet, Kaleroid roof, hot air heating, electric lighting, hardwood floors. Plans completed.



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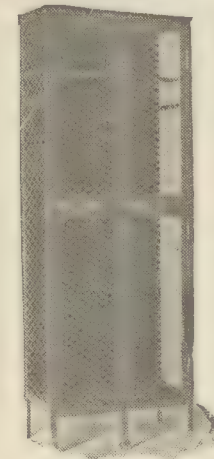
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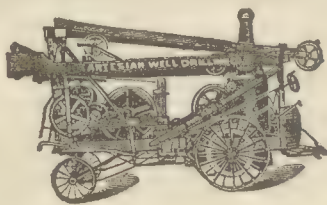
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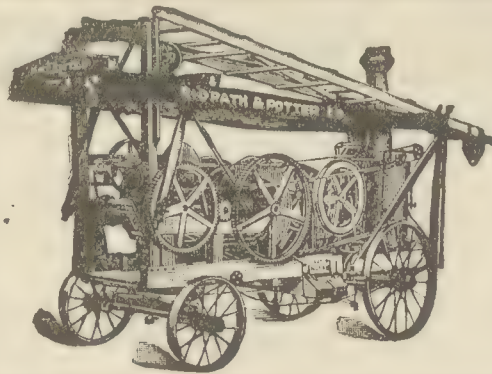
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Picture Theatre (alt. and add.), Reading, Pa., \$6,000. Architect, Calvin J. Young 520 Washington street, Reading, Pa. Owners, Gem Amusement Co., Reading, Pa. Brick, 1 story, 40x100 feet, slag roof, steam heating, electric lighting, composition and concrete floors. Architect ready for bids.

Residence, Schuylkill Haven, Pa., \$9,000. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owner, W. F. Meek, Schuylkill Haven, Pa. Brick, 2½ stories, 40x40 feet, slate or shingle roof, hot water heating, electric lighting, tile and hardwood floors. Plans in progress.

Factory (add.), Sixth and Chestnut streets, Reading, Pa. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owners, Berks Engineering Co., Reading, Pa. Brick and frame, 2 additional stories, 34x50 feet and one additional story 54x68 feet, Carey roof (steam heating reserved), electric lighting. Plans in progress.

High School, Slatington, Pa., \$65,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, P. N. Snyder, secretary, Slatington, Pa. Stone and brick, 2 stories, 90x130 feet, slate roof, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due March 1st (time extended). In addition to those previously reported, J. Nagle, Allentown, Pa.; W. H. Cangewere, Allentown, Pa.; Haupt & Rentz, Wyomissing, Pa.; W. A. Stein & Co., Allentown, Pa.; Harvey Silfies, Northampton, Pa.; E. F. Peters, Allentown, Pa., and W. W. Anstine & Co., 1218 Filbert street, Philadelphia.

Private School, Rydal, Pa., \$150,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ogontz School for Young Ladies, care of Miss A. A. Sutherland, Ogontz, Pa. Stone, 3 stories, 153x45 feet; two wings, 3 stories, 43x223 feet and 43x121 feet, slate roof, steam heating, electric lighting metal lath, metal lockers, waterproofing and dampproofing, tile and marble work, slate blackboards, reinforced concrete floors, metal doors, fire doors (weather strips, electric work, elevator, laundry equipment reserved). Plans in progress.

Office Building (alt. and add.), South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Lehigh Coke Co., South

Bethlehem, Pa. Brick, 3 stories, 36x52 feet, slate roof, steam heating, electric lighting. Owners taking bids, due February 29th. F. A. Havens & Co., 845 North Nineteenth street, Philadelphia, are figuring.

Residences (3), Aronimink, Pa. Architect, Edward F. Hoffman, Jr., Provident Building, Philadelphia. Owner, Edward F. Hoffman, Pennsylvania Building, Philadelphia. Two stone and frame, one hollow tile and plaster, 2½ stories, 23x35 feet, 39x25 feet, 41x23 feet, shingle roofs, hot water heating, electric lighting, oak floors, tile work. Architect taking bids, due February 25th. The following are figuring: William R. Dougherty, 1610 Sansom street; James B. Flounders, 1329 Arch street; Harry W. Koch, Drexel Hill, Pa.; F. H. Mahan, Ardmore, Pa.; George L. Croll, Rosemont, Pa.

Bank Building, Ardmore, Pa. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owners, The Merion Title and Trust Co., Ardmore, Pa. Stone, 1 story, 50x110 feet, steam heating, electric lighting, tile and marble work, banking fixtures. Plans completed. Architects will take bids in a few days.

Residence, Ardmore, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Robley A. Warner, Ardmore, Pa. Stone and plaster, 2½ stories, 25x46 feet, shingle roof, hot water heating, electric lighting, tile work, oak floors. Owner is taking bids, due February 26th at noon. The following are figuring: Frank H. Mahan, Ardmore, Pa.; P. J. Lawler, Bala, Pa.; J. Morton Warner, Bryn Mawr, Pa.; Philip S. Davis, Bryn Mawr, Pa.; Gray Bros., Rosemont, Pa., and James H. Wells, Heed Building, Philadelphia.

Residences (4), Springfield, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building. Owners, Springfield Real Estate Co., Commercial Trust Building. Stone and plaster, 2½ stories, slate and tile roofs, hot water heating, electric lighting, tile work, oak floors. Architects taking bids, due March 1st. The following are figuring: W. Harry Roberts, P. O. Ardmore, Pa.; J. Howard Roberts, Lansdowne, Pa.; George V. Turner, Upper Darby, Pa.; I. A. Dunkelberger, 71 East Herman street; John E. Kearney, 327 North Sixty-third street, Philadelphia.

PENNSYLVANIA

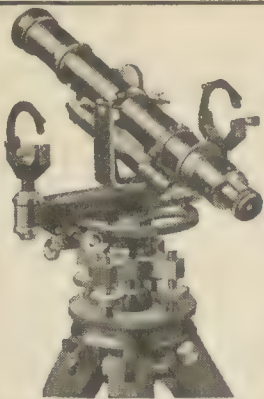
Contracts Awarded

Store and Apartments, Carlisle, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, J. M. Houston, Carlisle, Pa. Brick and steel, 3 stories, 29x100 feet, slag roof, steam heating, electric lighting. Contract awarded to H. A. Lackey, Carlisle, Pa.

Garage, Lancaster, Pa. Architect, Frank J. Everts, Woolworth Building, Lancaster, Pa. Owner, H. B. Cochran, Lancaster, Pa. Brick, 1 story, 35x30 feet, tin roof, electric lighting,

cement floors. Contract awarded to Herman Wohlsen, Lancaster, Pa.

Residence and Garage, Bryn Mawr, Pa., \$50,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, C. Hartman Kuhn, Franklin Bank Building, Philadelphia. Stone and stucco, 2½ stories, 38x95 feet and 25x90 feet, slag roof (heating, plumbing and electric work reserved). Contract awarded to Milton W. Young, Overbrook, Philadelphia.



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Residence and Garage, Wallingford, Pa. \$14,000. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, H. E. Marlor, Norwood, Pa. Stone, 2½ stories, 26x65 feet; garage, 1 story, 20x30 feet, tile roof,

electric lighting, oak floors, tile work, metal weather strips, gasoline tank and storage system (heating reserved). Contract awarded to J. Murphy & Co., 1139 South Wilton street, Philadelphia.

NEW JERSEY Construction News

Factory (add.), Newark, N. J. Architects, Monks & Johnson, 78 Devonshire street, Boston, Mass. Owners, Splittorf Electrical Co., Newark, N. J. Reinforced concrete and brick, 5 stories, 60x300 feet, gravel roof, steel sash, hollow tile and plaster blocks, metal lath, fire doors, safety treads, ventilators (heating, electric work, elevators, sprinkler system reserved). Architects taking bids, due February 25th. Barclay White & Co., Perry Building, Philadelphia, are figuring.

School Building, West Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, William C. Haines, District Clerk, Berlin. Brick, 1 story, slate roof (warm air heating, plumbing and electric work separate bids). Owners taking revised bids, due February 23rd at 8 P. M. In addition to those previously reported, Joseph B. Rowen, Moorestown, N. J.; R. L. Caunt, Berlin, N. J.; E. J. Kreitzburg, 1345 Arch street; Eugene Tourison, 1002 Chestnut street, Philadelphia, and Watson & Bubble, Atco, N. J., are figuring.

School, Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, Berlin, N. J. Brick, 1 story, slate roof, electric lighting, steam heating. Owners taking revised bids, due February 23rd at 8 P. M. In addition to those previously reported, Joseph B. Rowen, Moorestown, N. J.; R. L. Gaunt, Berlin, N. J.; E. J. Kreitzburg, 1345 Arch street, and Eugene Tourison, 1001 Chestnut street, Philadelphia, and Watson & Bubble, Atco, N. J., are figuring.

High School, Burlington, N. J., \$50,000. Architect, H. A. Brown, 43 West Broad street, Burlington, N. J. Owners, Board of Education, Cooper H. Prickett, president, Burlington, N. J. Brick and terra cotta, 2½ stories, 100x120 feet, slag roof, heating not yet decided, electric lighting. Plans in progress.

School Building, Trenton Junction, N. J., \$28,000. Architect, R. A. Shumann, 932 Lambert street, Trenton, N. J. Owners, Board of Education, care of Elwood Hendrickson, Ewing Township, Trenton, N. J. Brick, 1½ stories, 103x105 feet, slate roof (fan system of hot air heating, electric lighting and plumbing, separate bids). Plans completed. Owners ready for bids.

Office Building (alt. and add.), 511 Market street, Camden, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner's name withheld. Brick, 3 stories, slag roof, hot water heating, electric lighting. Architect has received bids.

Residence, Trenton, N. J., \$8,000. Architects, W. W. Slack & Sons, American Mechanics' Building, Trenton. Owner, Dr. Leland Kniffin, 726 Riverside avenue, Trenton. Brick, 2½ stories, 37x40 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors. Plans in progress.

Residence, Trenton, N. J. Architects, Klemann & Fowler, First National Bank Building, Trenton. Owner, H. L. Watson, 29 Atterbury street, Trenton. Brick, 3 stories, 42x40 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Plans in progress.

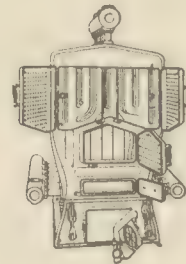
Candy Factory, Trenton, N. J., \$50,000. Architects, W. W. Slack & Sons, American Mechanics' Building, Trenton. Owners, Belle-Meade Sweets Co., Trenton, N. J. Concrete, brick and steel, 1 story and basement, 60x350 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, metal sash, steel sash, vault and refrigerator doors, metal lath, waterproofing and dampproofing (plumbing, heating and electric work reserved). Architects taking bids, due February 24th. The following are figuring: S. W. Mather & Son, Greenwood avenue and Canal street; Burton & Burton, American Mechanics' Building; William Morris, Broad Street Bank Building; J. W. Morris, Broad Street Bank Building; Charles Smith, 45 Lincoln avenue; Scott & Day, Interstate Telephone Building; J. Harper Clayton, American Mechanics' Building; Ed. LaRue, 53 South Hermitage avenue; William Ivins, American Mechanics' Building; Charles Randall, 43 North Hermitage avenue; Fred Parker, 327 Calhoun street. A. W. Chapman, 218 West End road, all of Trenton; H. D. Best Co., 52 Vanderbilt avenue, New York; S. Tannenbaum & Co., 56 Pine street, New York; Hermann Fougner, 110 West Fortieth street, New York; David Henry Construction Co., 207 Market street, Newark, N. J.

Garage, Atlantic City, N. J. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Hotel Traymore Co., Atlantic City, N. J. Brick, concrete and steel. fireproof, 2 stories, slag roof, steam heating, electric lighting, concrete floors. Plans in progress.

New Jersey Contracts Awarded

Warehouse, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Crane & Co., Chicago, Ill.

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Brick, steel and concrete, 1 and 2 stories, 62x95 feet, metal lath, safety treads, slag roof, metal sash, steam heating, electric lighting. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

Church (fire repairs), Camden, N. J., \$15,000. Architect, George E. Savage, Witherpoon Building, Philadelphia. Owners, State Street M. E. Church, Camden, N. J. Stone, 1 story. Consists of rebuilding of interior, electric lighting, steam heating. Contract awarded to James W. Draper, 436 Haddon avenue, Camden, N. J.

Dormitory Building, Sumner, N. J. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Pine Valley Golf Club, Sumner, N. J. Hollow tile and plaster, 2 stories, 76x41 feet, shingle and Carey's roof, canvas and maple floors, tile work (heating and plumbing and electric work reserved). Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Warehouse, Pennington avenue and Philadelphia and Reading Railroad, Trenton, N. J., \$9,000. Architect, private plans. Owner, George H. Royal, care of National Biscuit Co., Trenton, N. J. Brick, 1 story, 87x75 feet, slag roofing, electric lighting. Contract awarded to W. J. Morris, Broad Street Bank Building, Trenton, N. J.

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MARYLAND**Construction News**

Church (int. alts.), Salisbury, Md. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, St. Peter's R. - C. Church, Salisbury, Md. Consists of new altar, reredos, etc., stone and wood. Plans in progress.

Bank Building, Emmittsburg, Md. Architect, J. B. Hamme, Wiest Building, York, Pa. Owners, Emmittsburg Savings Bank, Emmittsburg, Md. Brick, granite and steel, 1 story, 30x75 feet, slate and slag roof, steam heating, electric lighting, tile work, metal lath, damp-proofing, metal furniture, banking fixtures, vaults. Plans in progress.

Chemical Manufacturing Plant, Curtis Building, Md., \$300,000. Engineer, private plans. Owners, Davison Chemical Co., Garrett

Building, Baltimore, Md. Consists of a group of buildings, 1 and 2 stories, brick, concrete and steel. Plans in progress.

Garage, 1307 and 1309 Cathedral street, Baltimore, Md. Architect, O. B. Wright, Munsey Building Baltimore. Owner, J. Wilson Leakin, 813 Fidelity Building, Baltimore. Lessees, Autocar Sales and Service Co., 1311 Cathedral street, Baltimore. Brick, 4 stories, 60x130 feet, slag roof, steam heating, electric lighting, elevators, gasoline storage system. Plans in progress.

Residences (10), Darley avenue, Baltimore. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owners, Frank Novak Realty Co., 744 Kenwood avenue, Baltimore. Brick, 2 stories, slag roof, hot air heating. Owners are sub-letting all contracts.

MARYLAND**Contracts Awarded**

Store Building (alt. and add.), 19 West Lexington street, Baltimore. Architect, F. E. Tormey, Gunther Building, Baltimore. Owner, Maurice Wyman, on premises. Consists of new bulk windows and interior alterations, electric lighting. Contract awarded to Monmonier & Sorrell, 1711 McCulloh street, Baltimore, Md.

Warehouse, 2339 to 2351 Boston street, Baltimore. Architect, private plans. Owners, The Canton Co., Commerce and Water streets, Baltimore. Brick, concrete and steel, 2 stories, 101x600 feet, slag roof, electric lighting. Contract awarded to Charles L. Stockhausen Co., National Marine Bank Building, Baltimore.

Miscellaneous Construction News

Parish House, Wilmington, Del. Architect, E. James Dallett, Equitable Building, Wilmington. Owners, St. Andrew's Episcopal Church, Rev. R. W. Trapnell, 910 Madison street, Wilmington, Del. Brick and terra cotta, 3 stories, 60x50 feet, slag roof, steam heating, electric lighting. Plans in progress.

Apartment Houses (2), Wilmington, Del. Architects, E. L. Rice, Jr., & Co., 315 Market street, Wilmington, Del. Owner, E. C. Hardesty, Buckingham Apartments, Wilmington, Del. Brick, stone and steel, 4 stories, 26x51 feet and 61x42 feet, asbestos roof, vapor heating, electric lighting, tile work, hardwood floors, metal lath, gas ranges, laundry equipment, dampproofing. Architects have received bids.

Residence (alts.), Wilmington, Del. Architect, Roscoe G. Tindall, Equitable Building, Wilmington, Del. Owner's name withheld. Consists of general interior alterations, electric lighting, hardwood floors. Architect has received bids.

Factory (add.), Highland Park, Mich. Architect, Albert Kahn, Detroit, Mich. Owners, Ford Motor Co., Highland Park, Mich. Reinforced concrete and brick, 6 stories, 165x860 feet. Barrett's and cement tile roof, waterproofing and dampproofing, steel sash, fire doors, iron stairs, wood block flooring (heating, plumbing, electric work and elevators reserved). Architect taking bids, due February 21st. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Residence and Garage, Wilmington, Del. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Walter C. Lee, 2300 Willard street, Wilming-

ton, Del. Hollow tile and plaster, 2½ stories, 50x70 feet, shingle roof, vapor heating, electric lighting, tile work, oak floors. Architects taking bids, due February 28th. The following are figuring: Henry L. Brown, 1714 Sansom street; Eugene Tourison, 1001 Chestnut street, Philadelphia, and James M. Smyth, Smyth, 2406 West Sixteenth street; W. Howard May, 1014 Rodney street; W. D. Haddock & Co., 804 Orange street; John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

School Building, Durham, N. C., \$40,000. Architect, C. Howard May, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Durham, N. C. Brick, stone trimmings, 2½ stories, 102x60 feet, slag roof, warm air heating, electric lighting, slate blackboards. Plans about completed. Owners will take bids in ten days.

School Building, Durham, N. C., \$35,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Durham, N. C. Brick and stucco, 2½ stories, 148x90 feet, warm air heating, electric lighting, slate blackboards. Plans about completed. Owners will take bids in ten days.

Bungalow, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, John B. Bird, care of Joseph Bancroft & Sons Co., Wilmington. Frame, 1½ stories, 70x28 feet; wings, 45x20 feet and 55x20 feet, shingle roof, hot water heating, electric lighting. Plans completed. Architect ready for bids.

Residence, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner's name withheld. Brick, 2½ stories, 50x50 feet, warm air heating, electric

lighting, hardwood floors, tile work. Plans in progress.

Factory Buildings, Hartford, Conn. Architect, private plans. Owners, Underwood Typewriter Co., Hartford, Conn. Reinforced concrete, brick and steel, 5 stories, 200x45 feet;

5 stories, 163x50 feet; 6 stories, 50x185 feet; 2 stories, 140x100 feet; 4 stories, 21x50 feet; composition roofs, safety treads (heating, electric work and elevators reserved). Owners have received bids.

Miscellaneous Contracts Awarded

Residence, Roslyn, Long Island, \$500,000. Architect, J. T. Windrim, Commercial Building, Philadelphia, Pa. Owner, Nicholas F. Brady, 54 Wall street, New York City. Tapestry brick, limestone and steel, concrete floors, fireproof, 3 stories, 65x250 feet; wings, 45x85 feet each, variegated slate roof, reinforcing bars, waterproofing, enameled bricks (plastering, mill work, heating, plumbing and electric work, elevators, tile and marble work, parquetry floors reserved). Contract awarded to Jacob & Youngs, 120 West Thirty-second street, New York City.

Store Building (alt. and add.), Wilmington,

Del. Architect, John D. Thompson, Jr., Frod Building, Wilmington, Del. Owners, Miller Bros., Wilmington, Del. Brick, 2 stories, 46x100 feet, slag roof, electric lighting (steam heating reserved). Contract awarded to Vansant & Son, Wilmington, Del.

Residence (int. alts.), Holly Oak, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, George Spackman, Wilmington, Del. Consists of general interior alterations. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Iron Hydroxide Co. (O), Camden, N. J. C. D. Pruden Co. (C), Baltimore, Md. Cost, \$300. Offices, Eastwick and Eighty-first sts.

James Brook (O), Sixth and Sigel streets. Louis Werner (C), 2419 South Darien street. Cost, \$400. Store and dwelling, Alder and Porter streets.

Marcus & Co. (O), 1303 Market street. Central Cabinet Manufacturing Co. (C), 529 North Ninth street. Cost, \$580. Store, 1303 Market street.

Hutchinson Baking Co. (O), 3040 Walnut street. Drehman Paving Co. (C), Twenty-sixth and Parrish streets. Cost, \$1,300. Bakery, Thirty-third and Walnut streets.

Albert Eisentein (O), 1325 South Fifty-eighth street. John P. Fallon (C), 449 South Sixtieth street. Cost, \$1,200. Store, 1325 South Fifty-eighth street.

M. F. Wheeler (O), 5306 Pine street. Frank R. Shriver (C), 5106 Catherine street. Cost, \$300. Dwelling, 5306 Pine street.

John Greenway (O), Hanover, Pa. Joseph Dominsky (C), 1754 Juniata street. Cost, \$595. Store and dwelling, 4367 Germantown avenue.

Graham Estate (O), Nineteenth and Hamilton streets. John Gill & Co. (C), 1215 Filbert street. Cost, \$1,000. Manufacturing building, Nineteenth and Hamilton streets.

C. Dear (O), 4915 York road. Cost, \$300. Dwelling, 3625 Sepviva street.

Philadelphia Steel and Forge Co. (O), Tacony, Philadelphia. J. H. Hand (C), 8029 Frankford avenue. Cost, \$1,600. Shop and storage, Bleigh and Milnor streets.

Melody & Keating (O), 1322 Race street. Cost, \$5,500. Shop and office, 1322 Race street.

Freihofer Baking Co. (O), Twenty-fourth and Master streets. P. Haibach Const. Co. (C), Twenty-sixth and Thompson streets. Cost, \$600. Bakery, Twenty-fourth and Ingersoll streets.

Yarrow and Van Pelt streets (O), Seventeenth and Chestnut streets. A. Schmerlin & Son (C), 990 North Seventh street. Cost, \$1,000. Rooming house, 23 and 25 South Seventh street.

Helen R. Bacon (O), Torresdale. J. H. Page & Son (C), Cornwell Heights, Pa. Cost, \$1,500. Coach house, Red Lion road and Gravel pike, Philadelphia.

McMahon Estate (O), Post Office Building. C. G. Johnson (C), 712 Cheltenham avenue. Cost, \$300. Store, 5719 Germantown avenue.

Mrs. Pine (O), 1409 Filbert street. Thornton Co. (C), 2643 North Hutchinson street. Cost, \$320. Store, 1630 Market street.

Board of Education (O), City Hall. Asbestos Concrete Co. (C), 1310 North American Building. Cost, \$2,500. School, Longshore and Dittman streets.

Estate of A. L. L. Shields (O), Lincoln Building. E. Keefer & Sons (C), 1321 Rodman street. Cost, \$800. Store and dwelling, 3200 Locust street.

Michele & Montanoro (O), Second and Allegheny avenue. Cost, \$350. Store and dwelling, Second and Allegheny avenue.

Mrs. A. H. Hoard (O), 7014 Anderson street. Fred Elvidge & Son (C), 5522 Germantown avenue. Cost, \$5,000. Dwelling, 146 West Walnut lane.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Irving K. Wilson (O), 1424 Chestnut street. Cost, \$10,000. Store, brick, 2 stories, 28x96 feet, 2222-24 Market street.

Church of the Intercession (O), Twenty-ninth and Fletcher streets. A. R. Raff (C), 1635 Thompson street. Cost, \$24,000. Church, stone, 46x105 feet, Twenty-ninth and Fletcher streets.

Air Reduction Co. (O), 50 Broad street, New York City. William Steele & Sons Co. (C), 1600 Arch street. Cost, \$16,000. Manufacturing building, brick, 100x70 feet, Sedgley and Germantown avenues.

M. Percival Johnson (O), 4039 Lancaster avenue. Cost, \$103,250. Eighteen dwellings and garage, stone and brick, 3 stories, 17x51 feet, Wynnewood Road and Malvern avenue.

Hart & Baily (O), Fifteenth and Lindley avenue. Cost, \$109,600. Thirty-nine dwell-

ings, brick, 2 stories, 16x50 feet, Sixteenth and Wyoming avenue.

Russell & Keffer (O), 714 Commercial Trust Building. Cost, \$15,500. Six dwellings, brick, 2 stories, 15x35 feet, Tenth and Windrim avenue.

Monarch Realty Co. (O), Widener Building. E. J. Kreitzburg (C), 1345 Arch street. Cost, \$10,700. Store building, 426-28 Market street.

George F. Gibson, Jr. (O), Fifty-eighth and Partridge streets. Cost, \$87,500. Twenty-eight dwellings, brick, 2 stories, 16x58 feet, Fifty-eighth and Florence avenue.

Robert E. Lamb (O), 135 East Mt. Pleasant avenue. Cost, \$10,500. Dwelling and garage, brick, 3 stories, 49x37 feet, 225 Nippon street.

Ernest Roth (O), 1539 Cabot street. Cost, \$1,200. Shop, brick, 2 stories, 18x50 feet, 1541 Cabot street.

Alterations and Additions

Frank Loughran (O), Fifty-second and Market streets. Samuel Rogers (C), 5312 Thompson street. Cost, \$600. Hall and moving picture theatre, 1205-07 North Fifty-second street.

Simon Weil (O), Front and Richmond sts. B. Bornstein (C), 1510 Franklin street. Cost, \$12,000. Garage, Front and Allen streets.

Midvale Ice Co. (O), Wayne and Juniata streets. Herman Voigt (C), Twenty-eighth and Thompson streets. Cost, \$30,000. Ice plant, Wayne avenue and Juniata street.

Wiger Bros. (O), Thirty-second and Thompson streets. P. Haibach Const. Co. (C), 2530 West Thompson street. Cost, \$560. Stable, Thirty-second and Master streets.

Elizabeth Stewart (O), 922 Magee street. W. Stevens (C), 910 Fanshaw street. Cost, \$500. Dwelling, 1324 Torresdale street.

F. A. Chalmers (O), 1421 Chestnut street. James Warnett (C), 3339 Ridge avenue. Cost, \$700. Garage, 515 Midvale avenue.

John D. D. Grover & Sons Co. (O), Somerset and Tulip streets. P. M. Sax (C), Heed Build-

ing. Cost, \$10,000. Factory and storehouse, Rush and Tulip streets.

C. Cristinzio (O), Ninth and Christian sts. A. DeMarco (C), 1224 Christian street. Cost, \$700. Store and dwelling, 1011 South Twelfth street.

G. F. Shinehouse (O), Twenty-second and Fitzwater streets. Isaac Wood (C), 1200 South Fiftieth street. Cost, \$600. Dwelling, 1810 Christian street.

Charles F. Felin (O), York road and Butler street. R. T. Molloy (C), 2316 East Lehigh avenue. Cost, \$1,200. Lumber shed, York road and Pike street.

Michael Spath (O), 3614 Germantown avenue. Harry Brocklehurst (C), 512 West Norris street. Cost, \$1,200. Store, 5524½ North Fifth street.

George F. Sproule (O), Golf road, Bala. William W. Howe (C), Cynwyd, Pa. Cost, \$700. Garage, Golf road and City Line.

E. C. Roop (O), 3310 Powelton avenue. C. E. Long (C), 1110 Mt. Vernon street. Cost, \$2,000. Dwelling, 3310 Powelton avenue.

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Irving Dillon.....Editor

PHILADELPHIA, PA., February 23, 1916.

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Editorial Comment

For years the cry has been heard that architectural exhibitions fail to draw the public largely because their appeal is to a limited class. It has been urged that if a way could be found to combine with the purely architectural side of exhibitions of the sort something in the line of extra features with popular appeal, the great public might be induced to come and the success of exhibitions of the kind be thus assured. Yielding to this cry, the Architectural League of New York has attempted this year the experiment of an exhibition to which has been added these "popular" features.

An article from the pen of the Art Editor of the New York "Sun" affords some idea of the light in which the innovation is regarded.

"The Architectural League exhibition is generally considered to be the most popular one of the year," says the "Sun." "The current show will not be an exception. There is the usual diversity of decorative wall paintings, great and small (referring of course to size, not to qualities, the great mural painters having turned out little this year), the usual sculptures, textiles, tiles, ironwork and the usual modicum of architecture.

"The crumbs of architecture flung to us this year seem less than usual, but on the other hand we are recompensed with an elaborate Italian garden, with terraces, real pools of water and real hedges, the whole Vanderbilt Gallery being given over to this spectacular effect, which will strike the thoughtless dumb with admiration. It is not a real garden. It is not copied from a real garden and it is not a model that any sensible person would incorporate into a landscape. It turns the gallery into a stage setting, provides an agreeable background for one or two unimportant pieces of sculpture and makes it well nigh impossible to give any serious attention to the architectural plans in the corners of the room.

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"The design to make the Architectural League more popular than ever will doubtless succeed, for the baits flung out are precisely the kind that our good natured public loves to nibble at, but that any serious gain to the cause of architecture is achieved is less than doubtful. The embellishment of the exhibition has gone so far that the exhibition itself is lost sight of.

"However, since the committees have erred, it is well they have erred so magnificently, since extravagance of this sort is almost self-correction, and the outcries of the suffocating and swamped architects will compel a return to less fussy methods next year. The danger will be that the revolt will swing too far into puritanism and that next year we shall be crying out that the Vanderbilt Gallery has

become a barn. But at all costs we must give architecture a fair chance in the Architectural League exhibitions.

* * *

"Architecture more than most arts needs to be talked about, and the methods imposed upon architects by what is called 'modern civilization' are so arbitrary and difficult that it is no longer possible for an architect to work out a problem from an individual experience, but he must rely more and more (under the present system) upon organized effort. To me it seems that the New York architects are for the most part up against impossible conditions. The efforts being made by them are as valiant as any that past artists have made, and the intelligence might be said to be equal to that of the architects of the past, were it not essentially unintelligent to attack unsolvable problems.

"The two great handicaps that modern American architects labor under when they strive to compete with ancient masters are known by all of us and have been mentioned in these columns to the point of boredom. No real effort to break the shackles and free architects is being made, however. The prospects of such a campaign are so far reaching, and there is so much complexity in the way of politics and finance that the leadership of a Napoleon is necessary, a Napoleon who shall be backed by a Ford or Carnegie endowment fund."

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"Merely to be clear, the two restrictions hinted at are these: Lack of municipal control over city architecture and the mechanical methods of constructing modern buildings. A building that looks as well on paper as an ancient master's work is rendered stupid by the mechanical fashion in which it is erected. If by a miracle it looks well, even then the day after something erected next to it utterly ruins its effect.

"New York at present is probably the richest city in the world, certainly it is the place where the world's money is being handled, yet in all of its miles of streets it has no 'places,' it has no picturesque street crossings, no backgrounds for monuments and no framework for parks, in short it lacks all the architectural attributes of a beautiful city. Until there is control and restriction New York never will be anything but a puzzle to lovers of the beautiful.

"To brag about the height of the Woolworth Tower is beside the point. A short time ago we bragged about the Singer Building just as lustily. To build such expensive structures for a reclame that lasts but two or three years (until the still higher tower comes along) is like a child's game. Joe Pennell is already shouting that the Woolworth Tower has been spoiled for him by the towers of the

new Equitable Building, but we needn't bother about Joe here. The fact is it is time for the architects to look our much vaunted 'liberty' in the face and determine how much as artists we want of it. At present our idea seems to be that it gives each of us a chance to shout aloud. We do so, there is a great uproar and all ideas are engulfed—only the uproar is heard.

* * *

"The idle public will flock to the galleries to see the Italian Garden and the gimerack decorations (at least I hope they will, for there is no reason why they should not abstract such entertainment as they may from these features), but the attention of architects will doubtless focus upon Mr. Goodhue's model for the proposed new church for St. Bartholomew's. They should also take an earnest look at the interesting exhibition of the American Academy in Rome and sigh for the days when they too were students abroad and planning idealistic monuments.

"A criticism of the proposed new church is not possible without the plans. In fact, criticism of architecture is never called for by the Architectural League, for the simple reason that the works of art themselves are not on view. Talk is possible, and the more talk before the building goes up the better.

* * *

"Whether architecture has advanced or not the fact is undeniable that the art of presenting architectural ideas to clients has progressed immeasurably. Every year, it seems to me, the architectural models and the sketches of facades and interiors get more and more alluring and less and less criticizable. The model for St. Bartholomew's is so impressive that any mere committee must be bowled over by it instantly. The feeling of any vestryman must be 'Yes, yes, put it up to-morrow.' And at the rate our mechanics are perfecting themselves the time is not far distant when such buildings really will be built in a day. But the hopes and fears that I have for the new St. Bartholomew's are all connected with the manner in which it will be built, its site and the possibilities of what is to be built next door.

"Without having seen the site, it is evident that the last contingency is one that is to be reckoned with, as it was in the building of St. Thomas'. Certain places appear in the model to have been sliced off with a great knife. These are the places where the building connect no doubt with something already standing. The masses of the new building culminating in a tower are carefully filed one upon the other in the effort of self-protection against the unknown structure that may be erected near by. To make a design that shall compose with something as yet undecided upon has been the unfortunate architect's terrible task.

* * *

"My own experiences with St. Thomas' Church, I know, are not isolated. Others have gone through the same set of feelings. It is not that I share the invincible prejudice some people have against placing such ambitious

churches upon corner lots. If the rest of the block were in settled architecture and all the surroundings were fixed in a composing scheme I could conceive of a chapel hitching on with grace to the other buildings. There are innumerable examples in existence in the old world, as every one knows.

"My difficulty is that after having been intensely concerned in the spectacle of the construction of the building, often going considerably out of my way on my daily walks merely to catch a glimpse of the agreeable masses of stone as they emerged from the debris that surrounded the workmen, I have now lost interest utterly in the finished building. I get almost as faint an artistic sensation from it as from St. Patrick's. Like the Cathedral, it is cold and mechanical and seems to have been turned out by a machine in one day.

* * *

"The modern method of following implacably the architect's plan, the impossibility of ever once changing a door or a window once the contractors have started to work, is death to the design. It happens that one of the few of our pew structures whose detail I can inspect twice with pleasure is the interior of George Gray Barnard's 'Cloisters,' and Mr. Barnard always laughingly says it has no architecture. However, the arches in it were torn down and rebuilt when they didn't happen to suit the first time. Miss Gertrude Stein's new studio of Paris, Mr. Barnard's workmen worked until they satisfied the eye.

"Miss Stein often laughs over the summer she spent in remodeling her studio. Although the alterations in it were slight, it seemed to require a great many French workmen, and there was an incessant accompaniment of argument and criticism as the work proceeded. The wives and mothers of the workmen used to come and join in the contentions aroused by the work and the air of detachment from modern life displayed by all concerned was so great that Miss Stein ended by calling the company 'her club.' She herself, being a thoroughly modern spirit, occasionally tried to hasten the proceedings, but was always met with a rebuff from the old chief workman, who said, 'Il faut contenter l'oiel,' and to an artist that argument is insurmountable.

"However remote the dream of mediaeval workmanship may be from the scheme of the present, all must admit that could Mr. Goodhue's design have been carried out by mediaeval workmen, its chances for remaining interesting even when completely finished, would have been greatly enhanced."

* * *

There is healthy criticism here that we feel sure will be largely approved by architects who have not yet become completely commercialized. The best results are attainable under conditions not always possible to our modern modes of working. Many things enter into the ensemble of good architecture that are beside the design in itself. The "Sun" man states these so clearly and with

facilities involved that we feel sure his comment such a sympathetic understanding of the dif- ment will be read with interest by architects.

It is apparent that the plan to popularize the architectural exhibition has not been the success anticipated. The defect has been the defect common to attempts of the kind—viz., an unconscious dwarfing of the real purpose of the function achieved in the effort to give it popular appeal.

* * *

As we go to press for this issue of "The Guide," the fifth annual convention of the National Association of Builders' Exchanges is under way at Baltimore. The program arranged follows:

Monday, February 21, 8.30 P. M.—Reception tendered to visiting delegates and ladies by the Builders' Exchange of Baltimore and the Ladies' Auxiliary Committee, roof garden, Emerson Hotel.

Tuesday, February 22.—First session at 11 A. M.; address by the president, H. L. Lewman; Emerson C. Harrington, Governor of Maryland; James H. Preston, Mayor of Baltimore, and others; appointment of committees, etc. 2.30 P. M., automobile trip around city. 7 P. M., oyster roast at Recreation Pier.

Wednesday, February 23, 10 A. M.—Business meeting; 11.30 A. M., a reception by his Eminence James Cardinal Gibbons, at the Cardinal's residence, to the delegates and ladies of the convention; 2 P. M., reports of committees, etc.; 8 P. M., theatre party at Albaugh's Theatre.

February 24—Business meeting, 10 A. M., and another at 2 P. M.; 8.30 P. M., grand ball, Emerson Roof Garden.

Friday, February 25—The delegates will visit Washington and will be the guests of the Builders and Manufacturers' Exchange of that city. Visits will be made to Annapolis and other places of interest, including a special reception at the White House by the President.

* * *

About five years ago the National Builders' Exchange held its first meeting in Philadelphia. The attendance at this convention was about a baker's dozen.

Not in the least dismayed by this showing, the members decided to hold their second meeting in Washington, D. C. There were about 40 persons present. Louisville was selected as the meeting place for next year and about 350 persons attended the meeting.

Last year the convention was held at Columbus, Ohio, and was a rousing success. It was attended by representatives from more than fifty exchanges, who with their friends totaled about 700 persons.

The rapid growth of the National Association of Builders is due to the fact that it has laid a broad and solid foundation for future generations of builders. Its work for mutual helpfulness and increased efficiency has faithfully continued, irrespective of all impediments, as any natural force does, and is now, save for one or two, the largest commercial organization in the United States.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

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"City Planning for Philadelphia" was the topic of discussion at the session of the Monday conference in the Curtis Building. Andrew Wright Crawford spoke on "Metropolitan Planning as Related to Philadelphia," taking up the need for constructive work in developing the city.

Albert Kelsey, fellow of the American Institute of Architecture, discussed the Parkway, its history and its future. George S. Webster, Director of Wharves, Docks and Ferries, addressed those present on the comprehensive planning for Philadelphia as endorsed by the present administration.

We know lots of men who have made money without the aid of advertising, but—they haven't made it since 1876.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**ROGER H. BULLARD, architect, formerly connected with Grosvenor Atterbury, has opened offices for the independent practice of his profession at 331 Madison avenue, New York City.

**EMPIRE SIDEWALK BRIDGE CO., INC., has opened an office at 30 East Forty-second street, New York City.

**ROBERT C. WHEELER has been appointed city engineer of Summit, N. J., to succeed Alexander Blair.

**BAY STATE PINK GRANITE CO. has moved its offices to larger quarters at 105 West Fortieth street, New York. This firm has recently received the contracts to supply the granite for the new building for the Rochester, N. Y., Chamber of Commerce, the Schenectady Trust Company Building, the Vincentian Institute at Watervleit, N. Y., and the South Broad Street Plaza at Philadelphia. Hugh Kafka, formerly well known as an architect, is in charge of the New York office of this concern.

**HENRY W. ISENBERG has recently joined forces with his father, Henry R. Isenberg, 337 Plane street, Newark, N. J., who has been in the tiling and interior marble business since 1897. Mr. Isenberg has lately returned from the Exposition, his father deciding to complete his education by sending him on a trip through the country. Mr. Isenberg is one of the well known young men of Newark and was a very popular high school student. He is a graduate of Southside High School, was captain of the football team for two years and the basketball team last season. In his studies, as in his athletics, he was always well up in his class, and we prophesy that his addition to the force at 337 Plane street will mean the introduction of a real live wire into the business.

**NEW YORK BUILDING MANAGERS' ASSOCIATION, at its recent annual meeting, elected the following officers for the ensuing year: B. E. Martin, president, re-elected; F. S. Bancroft, vice-president; C. B. Best, treasurer; Raymond P. Roberts, secretary. Members of the Executive Committee to serve three years include C. T. Cooley, J. C. Renard, M. D., Littlefield, Henry Voorhis and W. H. Class; member to serve two years, in place of Mr. Roberts, who was elected secretary, H. L. Eckerson.

**BUILDERS' AND TRADERS' EXCHANGE, of Newark, N. J., at its annual meeting held in the exchange rooms, elected the following officers for 1916: Walter A. Lawson, president; Hugh Kinnard, vice-president; Lewis C. Rusling, treasurer, and Charles

M. Grover, secretary. The following directors were elected: For three years, John W. Shaw, A. H. Vreeland, Thomas Boyle, Fred. Clark; for one year, John F. Day. Mr. Day retires after serving the exchange for the last two years as its president. Mr. Lawson, the president-elect, has been identified with the heating and ventilating business for the last 25 years and has been a member of the exchange for 20 years. For the past six years he has served on the Board of Directors.

**MANHATTAN ASSOCIATION OF MASTER PLUMBERS at its recent annual meeting elected the following officers to serve during the ensuing year: Isaac J. Brown, president; Thomas P. McLoughlin, vice-president; J. L. Murphy, treasurer; Charles Ericson, recording secretary; John D. Cooley, financial secretary; Philip Fich, sergeant-at-arms; Andrew J. Davis, marshal. The new Board of Trustees is composed of Frank J. Fee, Harry Hemlin, David Delgan, Joseph H. Booth and J. H. Jasper. The following were elected as representatives to the Greater New York Association: James P. Knight, James Smith, Thomas J. Cummins, B. F. Donohue, F. B. Lasette, George H. Creasy, Frank J. Fee, John Renahan, Philip Eich, Andrew J. Davis, Thos. P. McLoughlin, Arthur S. Gaynor, Jerry L. Murphy, Harry Hemlin, Charles Ericson and Joseph H. Booth.

**THE LEHIGH PORTLAND CEMENT CO. announces the naming of Harold M. Scott as assistant secretary and the appointment of B. H. Rader as Western sales manager, effective at once.

**BUFFALO FOUNDRY AND MACHINE CO., Buffalo, N. Y., recently opened a New York office at 17 Battery Place.

**OTTO E. GOLDSCHMIDT, consulting engineer, has moved his offices from 9 East Fortieth street, New York City, to the Tilden Building, 105 West Fortieth street.

**JOHN A. BRASHEAR, past president of the American Society of Mechanical Engineers, has been elected an honorary member of the Engineers' Club.

**EXHIBITS FOR THE ARCHITECTURAL LEAGUE.—The jury appointed by the Architectural League of New York to select drawings and plans for the thirty-first annual exhibition has completed its work. Exhibits chosen are: Drawings of proposed restorations in the City Hall, by Grosvenor Atterbury; Alfred W. Brunner's plans of the stadium built for the College of the City of New York; plans of the Ryan Art Gallery, by Thomas Hastings; designs for the new Colony Club, by Delano & Aldrich; Cass Gilbert's un-

published designs of the Woolworth Building, and Alfred Hopkins' drawings of the facade front of the new court house in Second avenue.

**NATIONAL RADIATOR CO., Johnstown, Pa., has recently moved its New York office from 30 East Forty-second street to the Sheridan Building, Sixth avenue and Thirtieth street. C. N. Tull, formerly connected with the Philadelphia office of the company, is now in charge of the local office.

**FRANK A. BUCKHAM, for many years treasurer and general manager for the Nason Manufacturing Co., has severed his connection with that concern and has become associated with the Walworth Manufacturing Co., Boston, Mass., as manager of its New York branch, with offices at 19 Cliff street.

**C. V. R. BOGERT, a prominent architect of Hackensack, N. J., has become associated with Clarence W. Brazer, with offices at 1133 Broadway, Manhattan.

**MOUNT VERNON CITY PLANNING COMMISSION—Mayor Fiske, of Mount Vernon, has announced the members of the new City Planning Commission, in accord with resolution of the Council and the State law of 1913, giving such power. Members and terms of office are as follows: John R. Rockart and Rabbi Joseph I. Gorfinkle, for three-year terms; John G. Wintjen and Joseph S. Wood, for two-year terms, and Thomas F. Gerity and Arthur F. Brinckerhoff, for one-year terms. A. F. Brinckerhoff, the landscape architect, will bring to the Commission the results of his experiences and professional study of landscaping and parking. Mr. Gerity is associated with Knoedler & Co., art dealers, in New York, and Rabbi Gorfinkle and Mr. Wintjen are widely known public-

spirited citizens of that city. Mr. Rockart is a member of the firm of Cass Gilbert, who designed the Woolworth and many other famous buildings.

**A. G. SCHUMANN, vice-president of the Moeller & Schumann Co., varnishes and enamels, Brooklyn, was recently elected president of the Travelers' Association of the paint and allied trades of New York City.

**JOHN J. BRACKEN, civil engineer of Newark, N. J., has been appointed town engineer of Harrison, N. J. Mr. Bracken has been engaged in private practice, mainly on municipal work, at Newark since 1902.

**JAMES C. KELLY, for many years connected with Berry Brothers, has become a member of the sales force of the Moller & Schumann Co., Marcy avenue, Brooklyn, manufacturers of varnishes and enamels.

**YALE & TOWNE MANUFACTURING CO., 9 East Fortieth street, New York City, makes announcement of the appointment as general manager of E. C. Waldvogel, who has been connected with the company for the past eleven years and has successively filled the positions of traveling salesman, sales manager and assistant general manager. In addition to the duties belonging to his new office, Mr. Waldvogel will have general supervision of all sales, domestic, Canadian and export.

**NO AWARD MADE THIS YEAR for the Henry O. Avery prize by the Architectural League. The medal for architecture was awarded to Cass Gilbert for the Woolworth Building. Herbert Adams received the medal for sculpture for the Spencer Trask Memorial, and the medal for painting was awarded to Violet Oakley, of Philadelphia. This award was based on the design for the Dante window and her murals for the decoration of the Pennsylvania State Capitol at Harrisburg.

the power plant and content themselves with the rentals from the first and second floors and the basement. There is, however, a better and less drastic remedy than this, and I hope the owners will find it.

Cost of Foundations and Roofs.

A common error regarding this matter is that the foundations and roof cost the same in a very high building as in one of moderate size. This is not altogether true even of the roof, but as regards the foundations such a claim is utterly untrue. The foundations of the Woolworth Building aggregated in cost, I believe much over a million dollars—more than the total cost of any skyscraper in Toledo. Another thing is perhaps still more important. If one has planned a twenty-story building and is considering making twenty-two stories, he ought to reflect that his expense will not only be increased by the two additional stories in themselves, but that they will compel a strengthening of the balance of the building all the way down to and including the foundation—they will compel an additional expense upon twenty floors in order to furnish an approximate support for the additional two stories to be erected upon them. Again, two floors so high up require far more elevator service than do the fourth and fifth floors; for example, each of the additional elevators required, uses greater proportionate power and repairs than other elevators and occupies a valuable space (worth something like \$4,000 a year in the aggregate), on each of the twenty floors below the twenty-first.

Forty years ago it was the fashion to erect buildings with a height of twelve or fourteen feet for each story. Consequently what was once the leading office building in this city has five stories, while in the same height the modern building adjoining it has six; and again the modern building's rooms are considerably smaller than those of the old building and consequently easier to heat, light and furnish. Taking all these things into consideration, the modern building is probably twice as efficient as its neighbor; for in obedience to the idea of magnificence prevailing at that time, the old building had many long, high, narrow rooms, whose space is comparatively valueless.

Often, as in the case last mentioned, such indulgence in fancy is totally without any excuse in reason or common sense. It illustrates to what extent we are swayed by fashion and vanity even though the cost be ruinous to us. A melancholy feature of this matter is that anyone who makes an honest and manly resistance to a prevailing craze may do so at his own loss. An able architect of my acquaintance lost the commission for a great building mainly because he persistently argued to the owner the impolicy of excessive height in proportion to the breadth of the building. Many architects, I fear, smother their more accurate knowledge on this subject and console themselves with the thought of the large commission they will draw, without extra labor, on the dozen addi-

COMMON ERRORS IN BUILDING

Magnificence or Shabbiness are the Usual Extremes to be Found in Modern Structures

Errors in building are mainly of two kinds: first, errors of magnificence, and second, errors of shabbiness. Of the two the former is clearly the most dangerous and destructive, for a shabby building can easily be taken down with little loss and replaced with one more suitable to the location; whereas, in many cases, an error of magnificence means not only a loss of the world's capital, but in many cases also a continuous loss in the operation of the building—a loss, that is, in comparison with the result which should have been attained.

Two Examples.

I have in mind two buildings, each entitled to be called magnificent. One is twenty-one stories high and the other twelve. The former is a narrow structure and the latter broad. The building contains only half of the offices that the twelve-story building possesses. Yet

it has the same number of elevators and I believe the general upkeep expense to be about as large as in the lower building. Accordingly each office in the high building has to stand an overhead expense twice as large as that in the lower building. The latter, therefore, can be earning a handsome profit while the former is losing money.

The offices in the tall, thin building cost \$4,000 apiece to build; those in its competitor, though built equally well, cost but \$2,000 apiece. In the tall, thin building the power plant costs about \$25,000 a year to operate, making a charge against each rented office of \$100 per annum for this expense alone. Only income from the ground floor and other sources make it practicable to operate such a building at all; and it is a serious question whether the owners would not do well to close up the upper floors, cease the operation of

tional floors which their employer desires to put up for the purpose of making a display.

An Expensive Error.

Errors of this kind are often committed by men otherwise very able. One instance within my knowledge was particularly disastrous. An investor intending to erect a new skyscraper disregarded the fact that his proposed building would dwarf another building in which he was interested. If, on the contrary, he had limited the new building to ten stories, a fine even effect of height would prevail along the street in question. In spite of this he put up six additional floors, and his example being followed by another property owner, a jagged and irregular effect was produced along the street and both interests were obliged to engage in a starvation fight for tenants. This caused not only a depression in the finances of the owners themselves, but was also a factor in a general depression in real estate on account of the numebr of vacant windows shown in these two buildings and in those with which they competed.

Make a City Beautiful.

Those who are interested in the general prosperity of the real estate business should struggle against errors of this character which gives real estate a bad reputation and their city an irregular and crude appearance.

I question very much if in any city of the size of Toledo there is any true economy in erecting a building higher than eight stories. It would, in my opinion, be cheaper to buy the adjoining land and spread the building over a wider area if great floor space is required. The steel structure has been a new toy in the building world. It is about time that the toy ceased to amuse and more common sense be used in planning buildings.

Errors of shabbiness are so obvious as not to require discussion. If a man has a lot worth \$100,000 and puts a building on it which costs only \$2,000 and brings in very little rent, he is clearly losing money every day that this condition exists. Yet some wealthy men seem to take a gloomy satisfaction in handling their property in this way.

The increasing esprit de corps of the real estate fraternity and the greater diffusion of information on this subject will no doubt do much to eliminate these errors and to add to the efficiency of future improvements and to the beauty of our cities. An American city which can combine the modern scientific building, efficient, light, convenient and finely finished, with something of the even, harmonious development of Paris will reach a height not yet attained by any city in the world.—C. S. Ashley in "Record and Guide."

ARCHITECTS AND THE PRESS.

Fifty dollars reward is offered by the "Architectural Review," 144 Congress street, Boston, for information that will lead to the belief and conviction of any live chapter of the American Institute of Architects, or any local Architectural Club, which has held a special or monthly meeting prior to January 1, 1916, at which local newspaper men were

present as honored equals and invited guests, and which was designed to acquaint them with what the architect stands for in his community, and help the architect to realize what the representatives of the press consider to be "news" in architecture.

Much of the misunderstanding as to the proper appreciation on the part of the public of the profession of architecture, and the responsibilities and duties of an architect, to them as individuals and to their community, lies in the absolute divorce at present existing between the dignified isolation of the profession and all ordinary and customary channels of human communication. If the press could be brought to rightly understand the professional attitude of the architect, they would gladly co-operate with him in placing his important work intelligently before their readers, and giving those responsible for it all due and proper credit. Would it not better pay you, personally, and in the long run redound to the better credit of your profession, to go to the necessary bother of meeting this other "servant of the public" at least half-way in coming to a common understanding?—"Architectural Review."

TEACHING THAT SHOULD BE "SCRAPPED."

Present interest in the development of efficiency in technical schools, with a view to making the courses thoroughly modern, practical and immediately serviceable, recalls conditions not so admirable, which prevail in many manual training departments of the ordinary high school. General criticism cannot be applied, as the methods in vogue differ from city to city. There is, however, ground for the belief that a training which is designed to make the student more valuable as a handicraftsman succeeds only in giving him a vague and unreliable smattering of information on half a dozen topics. For instance, a boy is given a few score hours of desultory training in carpentry and woodturning. He constructs a grandfather clock, a tabouret, and a napkin ring. A little later, he is permitted to make "patterns" and to cast them—with plaster of Paris, ramming the molds by hand. Forging is taught by the aid of small hand forges and blacksmiths' anvils. The whole course is buttered with a little mechanical drawing. In the light of modern manufacturing methods, such as confront a young man when he takes up an industrial career, the whole affair seems a waste of time. It might be a help to a future "desk man," who will some day make a wife's heart glad by nailing up a shelf without accident; but a hindrance to him who seeks knowledge of manufacturing processes as they exist to-day, not as they were yesterday. Such "manual training" is obsolete.—"Iron Trade Review," Cleveland.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 8, 1916.—Sealed proposals will be received at this office until 3 P. M., March 21, 1916, and then opened, for the interior finish (except mechanical equipment and elevator) and completion of the approaches of the United States post office, at New Haven, Conn., in accordance with drawings and specifications, copies of which may be had at this office or at the office of the architect, James Gamble Rogers, 470 Fourth avenue, New York City, in the discretion of the Acting Supervising Architect. The building is of approximately 28,000 square feet ground area; three stories and basement; fireproof construction. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 8, 1916.—Sealed proposals will be opened in this office at 3 P. M., March 21, 1916, for the installation complete of the mechanical equipment (except elevators, lifts, and lighting fixtures) of the United States post office at New Haven, Conn., in accordance with drawings and specifications, copies of which may be obtained from this office, or at the office of the architect, Jas. Gamble Rogers, 470 Fourth avenue, New York City, in the discretion of the Acting Supervising Architect. James A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 17, 1916.—Sealed proposals will be opened in this office at 3 P. M., March 30, 1916, for the construction complete of the United States post office at Huntingdon, Ind. Drawings and specifications may be obtained from the custodian at Huntington, Ind., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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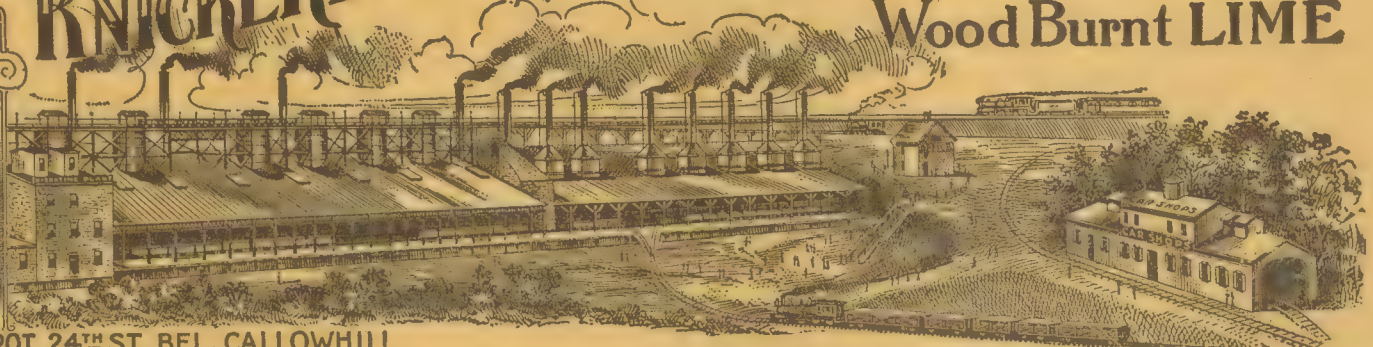
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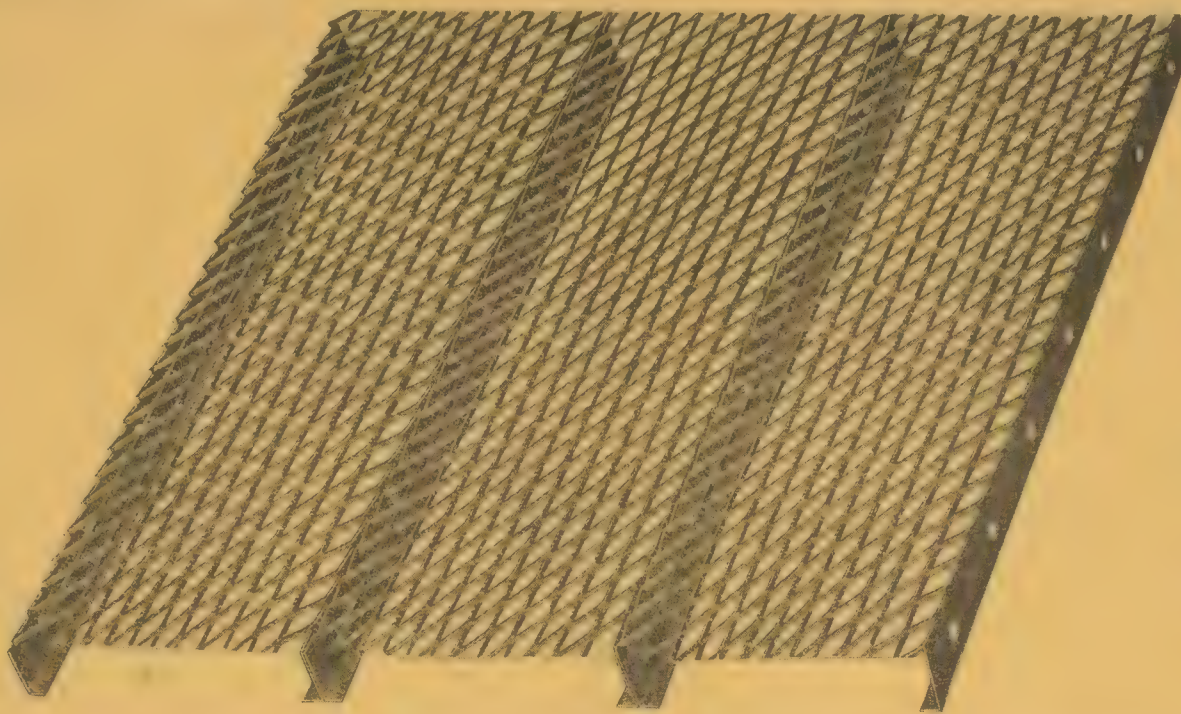
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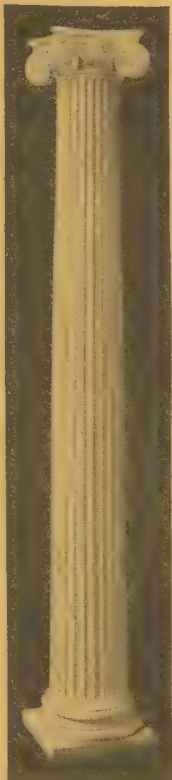
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School (add.), Thirteenth and Porter sts., Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and stone, 2 stories, 6 rooms (plumbing, heating and electric work separate bids). Owners taking bids, due March 13th at 1 P. M.

School (add.), Eighth and Wolf streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and stone, 3 stories, 12 rooms (heating, plumbing and electric work separate bids). Owners taking bids, due March 13th at 1 P. M.

School (add.), Twenty-third and Cambria streets. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and stone, 3 stories, 12 rooms (plumbing, heating and electric work separate bids). Owners taking bids, due March 13th at 1 P. M.

Schools (alts.), various locations. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Consists of new windows, cement paving, heating, plumbing and miscellaneous alterations. Owners taking bids, due March 13th at 1 P. M.

Garage, Seminole avenue, Philadelphia. Architects, E. J. Holmes & Co., and C. Wharton Churchman, 1311 Walnut street, Philadelphia. Owner, C. C. Walbridge, Seminole avenue, Chestnut Hill, Philadelphia. Stone, 2 stories, 20x26 feet, slate roof, hot water heating, electric lighting. Architects taking bids. The following are figuring: James B. Flounders, 1329 Arch street; Alfred James, Bala, Pa., and Stokes Bros., 6723 Musgrave street, Philadelphia.

Nurses' Home (alts.), Thirty-fourth and Spruce streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street. Owners, University of Pennsylvania Hospital, on premises. Slate roof, metal lath, fire escapes, oak floors, tile and marble work. Architects taking bids, due March 7th. The following are figuring: Irwin & Leighton, 126

North Twelfth street; Stacy Reeves & Sons, 2011 Market street; Thomas C. Trafford, 1613 Sansom street; Elfreth & Wood, 1706 Sansom street; Pomeroy Construction Co., 1609 Ransstead street; H. E. Grau Co., 1707 Sansom street, Philadelphia.

Club House, Manayunk, Philadelphia. Architect, H. Zimmerman, 4957 Hawthorne street, Philadelphia. Owners, Colonial Club, Cotton street, Manayunk, Philadelphia. Brick, steel, stone and concrete, 2 stories, 60x100 feet, slag roof, electric lighting, steam heat, maple floors, tile work. New plans in progress.

Store and Show Roome (alts.), 1525 Locust street, Philadelphia. Architects, E. J. Holmes & Co., and C. Wharton Churchman, 1311 Walnut street, Philadelphia. Owners, E. J. Holmes & Co., 1311 Walnut street, Philadelphia. Brick and marble, 3 stories, tin roof, steam heating, electric lighting, oak floors. Owners have received bids.

Garage, 5151 Wissahickon avenue, Philadelphia. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner, architect. Brick and hollow tile, 1 story, 25x17 feet, red slate or asbestos shingle roof, electric lighting, cement floors. Architect has received bids.

Boiler, Laundry and Dormitory Building, Roxborough, Philadelphia. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Engineer, William H. Timm, Abbott Building, Philadelphia. Owners, St. Timothy's Hospital, Ridge avenue and Jamestown avenue. Brick and terra cotta, 2 stories, 39x35 feet, reinforced concrete floors, metal lath, tile and marble work, plaster block partitions (electric work, plumbing and heating reserved by engineer). Engineer has received bids.

Post Office (alts.), Ninth and Chestnut sts., Philadelphia. Architect, private plans. Owners, U. S. Government, care of postmaster, on premises. Consists of alterations to Rooms 430 and 431, new windows, plumbing, etc. Owners taking bids, due March 4th. Thomas C. Trafford, 1613 Sansom street, and F. L. Hoover & Sons, 1023 Cherry street, are figuring.

Residence (alt. and add.), 2109 Cypress street, Philadelphia. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owner, Mrs. Priscilla B. Montgomery, on premises. Brick, 3 stories, slag roof, hot water heating, electric lighting. Architects have received bids.

Factory (alts.), Seventeenth and Allegheny avenue, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, A. Mecky Co., on premises. Consists of interior alterations to fifth floor, slag roof, metal lath, roof ventilator, fire door, concrete floor. Architects have received bids.

Residence (alts.), Valley Road and Old York Road. Architect, H. C. Wise, 133 South Twelfth street, Philadelphia. Owner, H. Buckhorn, on premises. Consists of new elevator shaft, tile work, metal lath. Architect has received bids.

Garage, Fortieth and Westminster avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Brick, stone and steel, 1 story, 40x113 feet, slag roof, steam heating, reinforced concrete floors, electric lighting, oil storage system. Owner is taking bids.

Store and Dwelling (alt. and add.), 329 South Fifth street. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Joseph Mogul, 257 South Fifth street, Philadelphia. Brick, 3 stories, 16x45 feet, rear addition, slag roof, hot water heating, combination lighting, marble work, new front, interior alterations, skylights. Owner will take bids. Jacob Bender, 1810 South Fourth street, is figuring.

Factory Building, Fifty-fourth and Paschall avenue. Architect, J. C. Fernald, 5533 Wyalusing avenue, Philadelphia. Owner, Joseph K. Marshall, 8 South Fiftey-second street, Philadelphia. Brick, 1 story, slag roof, electric lighting. New plans in progress.

Store and Dwelling, 639 East Gorard avenue. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Samuel Brooks, on premises. Brick, 2 stories, 15x50 feet, slag roof, hot air heating, combination

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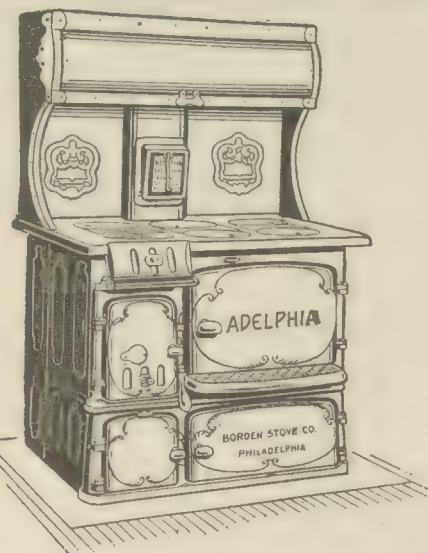
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bids in a few days.

Residences (50), Tioga, H and I streets,
Philadelphia. Architect, private plans. Own-
er, Victor J. Magnant, Frankford avenue and
Venango street. Brick, 2 stories, 16x45 feet,
slag roof, hot water heating, combination
lighting, hardwood floors. Owner ready for
sub-bids.

Service Building, Emerald and Allegheny
avenue, Philadelphia. Engineers, Day & Zim-
merman, 611 Chestnut street, Philadelphia.
Owners, Cleveland Worsted Mills Co., on prem-
ises. Brick, 3 stories, 10x14 feet, slag roof.
Plans in progress. Engineers will soon take
bids.

Police Station (alts.), 253 North Fifteenth
street, Philadelphia. Architect, Louis E.
Marie, City Hall, Philadelphia. Owners, City
of Philadelphia, Department of Public Safety,
William H. Wilson, Director, City Hall. Com-
position flooring, oak partitions, metal lockers,
proposal bond. Owners taking bids, due
March 6th. Plans may be obtained from archi-
tect on deposit of \$5.00. The following are
figuring: E. F. Fonder, Land Title Building,
W. W. Anstine & Co., 1218 Filbert street;
Mitchell Bros., 2125 Race street; J. H. Jordan,
Thirty-first and Oxford streets; E. C. Durell,
1713 North Twenty-fourth street; William
Mundy, 228 South Alder street; W. Beaumont,
Stephen Girard Building; Charles J. Apple-
ton, Heed Building; William R. Dougherty,
1610 Sansom street; Conneen Construction
Co., Commercial Trust Building; F. A. Havens
& Co., 845 North Nineteenth street; Monaghan
& Losse, 214 South Twelfth street; H. H.
Wehmeyer, 1004 Lehigh avenue; James Con-

nor, 1317 Arch street; I. T. Shoemaker, 1309
Walnut street, Philadelphia.

Residence (alts.), 1900 Spruce street, Phila-
delphia. Architect, private plans. Owner,
Carroll S. Tyson, 324 South Eighteenth street,
Philadelphia. Brick, 4 stories, slag roof, elec-
tric lighting, dumb waiter, tile and marble
work, oak parquet floors, metal weather
strips (heating reserved by owner). Builder,
J. P. Thompson, Real Estate Trust Building,
is taking sub-bids on all lines.

Intake and Deep Well, Reed street yards,
Philadelphia. Engineer, A. C. Shand, Broad
Street Station, Philadelphia. Owners, Penn-
sylvania Railroad Co., Broad Street Station,
Philadelphia. Reinforced concrete and tim-
ber, 10 feet in diameter. Lowest bidders,
Brann & Stuart, Commercial Trust Building,
and Armstrong & Latta, Land Title Building,
Philadelphia.

Loft Building (add.), Seventh and Wood
streets, Philadelphia. Architect, Herman
Miller, Crozer Building, Philadelphia. Owner,
Charles W. Lawser, 712 Cherry street, Phila-
delphia. Brick and reinforced concrete, 50x
90 feet, consists of two additional stories on
present 3-story building, slag roof, electric
lighting, metal sash, electric freight and pas-
senger elevators. Architect taking bids, due
March 9th. The following are figuring:
Freund-Siedenbach Co., Bulletin Building; F.
L. Hoover & Sons, 1023 Cherry street; W.
Beaumont, Stephen Girard Building; Stacy
Reeves & Sons, 2011 Market street; John G.
Brown, Witherspoon Building; Barclay White
& Co., Perry Building; Harry R. Rust, 724
Ludlow street.

Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.**

Pier No. 46 (alts.), Delaware River, Philadel-
phia, \$13,000. Architect, William H. Cook-
man, Broad Street Station, Philadelphia.
Owners, Pennsylvania Railroad Company,
Broad Street Station, Philadelphia. Frame
and galvanized iron, consists of alterations

to pier and new bulkheads. Contract award-
ed to John N. Gill & Co., Heed Building.

Machine Shop, Stenton and Wyoming ave-
nues, \$20,000. Architect, Horace Wells Sellers,
Stephen Girard Building, Philadelphia. Own-
ers, Earle Gear and Machine Co., on premises.

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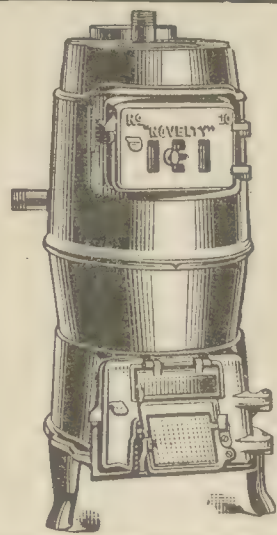
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Brick, 2 stories, 50x120 feet, slag roof, steam heating, electric lighting. Contract awarded to E. E. Hollenback, Fifteenth and Race sts., who is taking sub-bids.

Residence and Garage, Allen's lane, east of McCallum street, \$24,000. Architects, Duh-ring, Okie and Ziegler, Bailey Building, Philadelphia. Owner, Robert M. Hogue, 100 Pelham road, Philadelphia. Stone, 2½ stories, 71x33 feet; wing, 32x25 feet; shingle roof, oak floors, tile work, canvas floors, metal lath (heating, plumbing and electric work reserved). Contract awarded to W. John Stevens, Wyncote, Pa.

Hall Building (alt. and add.), 709 North Franklin street, \$9,000. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Pamonia Beneficial Association, Franklin and Poplar streets. Brick, 3 stories. Consists of general interior and exterior alterations (heating and electric work reserved). Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Flats and Store, 122-24 Pine street, Philadelphia, \$4,500. Architect, H. E. Dehoff, 48 South Sixty-first street, Philadelphia. Owner, Lewis iKng, 928 Pine street, Philadelphia. Brick, 3 stories, slag roof, metal ceilings, hot air heating, electric lighting, tile and marble work. Contract awarded to C. A. Le Gates, 322 North Gross street, Philadelphia.

Dwelling (alt. and add.) to Apartment House, 1420 West Allegheny avenue. Architect, Herman H. Kling, Sixth and Mifflin sts., Philadelphia. Owner, Harry C. Koekstadter, 1329 Arch street, Philadelphia. Consists of general interior alterations, 2-story rear addition, brick, 11x16 feet, hot water heating, electric work, tile work, parquet floors. Contract awarded to A. Shestack, 528 Reed street, Philadelphia.

Factory (add.), 1004 Pine street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Brill Bros., 1004 Pine street, Philadelphia. Brick, 3 stories, back addition, 20x60 feet, slag roof, hot water heating, electric lighting, fire tower, elevator, metal ceilings. Contract awarded to J. Gorehov, 4116 West Girard avenue.

Stable, 312 Moore street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, David Goldsmith, 312 Moore street, Philadelphia. Brick, stone and steel, 2 stories, 40x96 feet, slag roof, steam heating, electric lighting, concrete

floors. Contract awarded to Jacob Bender, 1810 South Fourth street, Philadelphia.

Garage, Wayne avenue and Logan street, Philadelphia. Architect, private plans. Owner, Louis Felber, 4546 Wayne avenue, Germantown. Brick and steel, 1 story, 110x120 feet, slag roof, waterproofing, reinforced concrete floors (heating, plumbing and electric work reserved). Contract awarded to Harry E. Sweger, 4435 North Uber street, Philadelphia.

Residence, Arrott and Pilling street, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner's name withheld. Brick and rough cast, 2½ stories, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Rush Bros., 1100 Fillmore street, Philadelphia.

Store (alt.), 5906 Germantown avenue. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, James Hutchinson, on premises. Consists of general interior alterations, new front. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Garage, 7003 North Thirteenth street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, John B. Harris, on premises. Stone and frame, 1 story, shingle roof, cement floors. Contract awarded to Thomas J. Carberry, Heed Building, Philadelphia.

Experimental Building, Delaware River and Dark lane. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, National Ammonia Co. of Pennsylvania, Van Kirk and Delaware River, corrugated iron, concrete foundations, 1 story, 51x19 feet, steel sash. Contract awarded to Philip Haibach Contracting Co., Twenty-sixth and Thompson streets, Philadelphia.

Garage, 2441 North Mascher street, \$4,500. Architect, private plans. Owners, Bercheimer & Sundheim, 1001 Chestnut street. Brick, 1 story, slag roof, electric lighting, cement floors. Contract awarded to Joseph Levin & Co., 1530 South Sixth street, Philadelphia.

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PENNSYLVANIA Construction News

Semi-detached Residence, West Bethlehem, Pa., \$8,500. Architect, A. P. Schulz, Bethlehem, Pa. Owner, George A. Meyers, Bethlehem, Pa. Brick and stucco, weather board, 2½ stories, 56x33 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Residences (3), Easton, Pa., \$18,200. Architect, A. P. Schulz, Bethlehem, Pa. Owner, P. W. Shimer, Easton, Pa. Brick, 2½ stories, 30x40 feet, slate roof, hot air heating, electric lighting. Plans in progress.

Residence, Bethlehem, Pa., \$4,000. Architects, Jacoby, Weishample & Weiner, Bethlehem, Pa. Owner, W. A. Keller, Bethlehem, Pa. Brick, 2½ stories, 22x30 feet, slate roof, hot water heating, combination lighting, hardwood floors, dampproofing. Owner will take bids.

Factory Building, Bethlehem, Pa., \$10,000. Architects, Jacoby, Weishample & Weiner, Bethlehem, Pa. Owners, Swiss Cleaners and Dyers and International Bag Co., Edward L. Myers, president, Bethlehem, Pa. Brick and steel, 2 stories, 137x30 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, steel sash, roof ventilators, steel stack. Architects have received bids and will award contract in a few days.

School Building, Bethlehem, Pa., \$80,000. Architect, Edward R. Bitting, South Bethlehem, Pa. Owners, Board of Education, Howard Judd, secretary, South Bethlehem, Pa. Brick, hollow tile and steel, 2 stories, 180x125 feet, slag roof, steam heating, electric lighting, composition and terrazzo flooring, metal lath, waterproofing and dampproofing, safety treads. Plans in progress. (Note change in architect.)

School (alt. and add.), Bethlehem, Pa., \$40,000. Architect, Edward R. Bitting, South Bethlehem, Pa. Owners, Board of Education, Howard Judd, secretary, South Bethlehem, Pa. Brick, stone trimmings, 2 stories, 92x64 feet, slag roof, steam heating, electric lighting, composition flooring, metal lath, dampproofing, safety treads. Plans in progress.

Parochial School, Bala, Pa. Architect, Geo. I. Lovatt, 418 Walnut street, Philadelphia. Owners, St. Matthias' R. C. Church, Rev. M. S. McCabe, Bala, Pa. Stone, 3 stories, 60x150 feet, tile roof, dampproofing, iron stairs, reinforced concrete floors, tile and terrazzo floors (heating, plumbing and electric work separate bids). Architect taking bids, due March 6th. The following are figuring: Melody & Keating, Bailey Building; William J. McShane, 417 South Thirteenth street; William R. Dougherty, 1610 Sansom street; James P. Farrell & Co., Inc., 1619 Sansom street, Philadelphia; Mowrer Bros., Merion, Pa.; P. J. Pawler, Bala, Pa.

Twin Residences (10), South Easton, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, Frank McInerney, Easton, Pa. Brick, 2 stories, 32x36 feet, slag roof, hot air heating, electric lighting. Owner is taking sub-bids.

Flats (40), South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, George Zboryovsky, East Third street, South Bethlehem, Pa. Hollow tile and brick, 3 stories, 14x30 feet each, slag roofs, electric lighting. Owner is taking sub-bids.

Bungalow, Bethlehem, Pa., \$2,600. Architect, A. P. Schulz, Bethlehem, Pa. Owner, W. A. Haas, Bethlehem, Pa. Brick, 1½ stories, 25x42 feet, slag roof, hot water heating, electric lighting. Plans in progress.

Residence, Bushkill Park, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, Mrs. Snyder, care of architect. Brick, 2 stories, 32x38 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Architect taking bids, due March 4th. Asa Smith & Son and A. A. Bechtel, both of Easton, Pa., are figuring.

Pumping Station (alt.), Easton, Pa., \$2,000. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owners, Lehigh Water Co., Easton, Pa. Consists of new brick walls and 2 boilers. Plans in progress.

Residence, Easton, Pa., \$15,000. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owner, William R. Haytock, Easton, Pa. Stone, 2½ stories, 46x50 feet, slate roof, steam heating, electric lighting, tile and hardwood floors. Plans in progress.

Residence, Easton, Pa., \$9,000. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owner, Charles Laubach, Easton, Pa. Brick and limestone trimmings, 2½ stories, 40x40 feet, tile roof, hot water heating, electric lighting, hardwood and tile floors. Architect ready for bids.

Hotel (add.), Easton, Pa., \$15,000. Architect, W. M. Michler, Drake Building, Easton, Pa. Owners, Williams Bros., Hotel Easton, Easton, Pa. Brick, steel and reinforced concrete, 4 stories, 30x44 feet and 10x20 feet, slag roof, steam heating, electric lighting, freight elevator. Architect taking bids. Asa P. Smith & Son and A. A. Bechtel, both of Easton, Pa., are figuring.

Residence, Elkins Park, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 30x47 feet, green slate roof, hot water heating, oak floors, electric lighting, tile work. Architect has received bids.

Factory Buildings, Ferty Fort, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre. Owners, Jenkins-Kirby Packing Co., Wilkes-Barre, Pa. Main building, 4 stories, 114x56 feet; garage, 1 story, 66x27 feet; power house, 1 story, 25x52 feet; wing, 24x41 feet; potato house, 2 stories, 64x20 feet, brick, concrete and steel, asphalt and gravel roofs, steel sash, metal lath, maple and concrete floors, iron stairs, fire doors (plumbing, heating and electric work reserved). Architects taking bids, due March 2nd. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.



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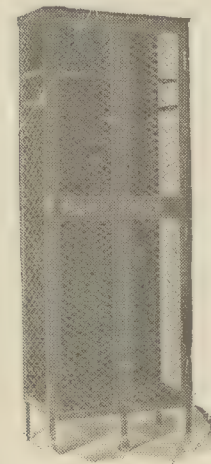
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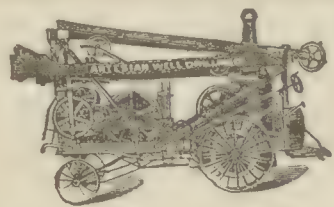
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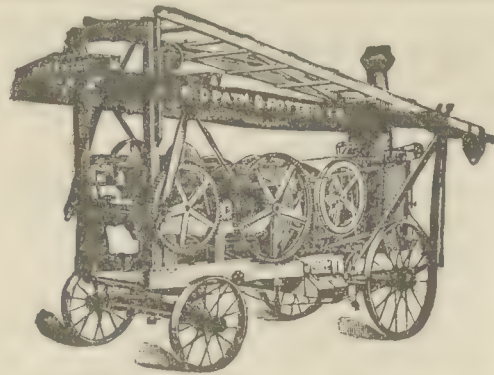


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Residence and Garage, Merion, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, William H. Stiegerwalt, 1420 Chestnut street, Philadelphia. Residence, stone, 2½ stories, 81x33 feet; wing, 10x15 feet; garage, brick, stone and stucco, 1½ stories, 1½ stories, slate roofs (heating, plumbing and electric work reserved), oak floors, tile work. Revised plans in progress.

Garage and Greenhouse, Elkins Park, Pa. Architect, C. W. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Charles J. Cole, Elkins Park, Pa. Garage, brick, 1½ stories, 24x28 feet; greenhouse, glass, 10x22 feet (garage shingle roof), electric lighting, hot water heating, gasoline storage system, cement floors. Revised plans in progress.

Residence (alt. and add.), Meadowbrook, Pa. Architect, Marmaduke Tilden, Ja., 1713 Sansom street, Philadelphia. Owner, Edward H. Fitch, care of Diamond Rubber Co., 519 North Broad street, Philadelphia. Stone, 3 stories, consists of general interior alterations, electric lighting, hardwood floors, tile work. Plans in progress.

Church and Rectory, Malvern, Pa. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owners, St. Patrick's R. C. Church, Rev. John T. Martin, Malvern. Stone, 1 and 2½ stories, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in one week.

Parochial School and Convent, Heckscherville, Pa. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, Rev. John B. Dever, Heckscherville, Pa. Frame, 2 stories, 40x70 feet and 50x90 feet, slate roofs, electric lighting (heating reserved). Architect taking bids, due March 8th. The following are figuring: Melody & Keating, Bailey Building, Philadelphia; Gordon Nagle, Pottsville, Pa.; Jacob Kilgus, Pottsville, Pa.

Apartment House, Eddystone, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Mrs. Athalia Klose, care of architect. Brick and terra cotta, concrete foundations, 2 stories, 30x116 feet, slag roof, steam heating, electric lighting. Architect has received bids.

Post Office, South Bethlehem, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone, brick, steel, fireproof, 3 stories, 75x100 feet, composition roof, metal lath, steam heating, electric lighting, tile and marble work. Owners taking bids, due March 7th at 3 P. M. In addition to those previously reported, J. J. S. Rogers Co., Moorestown, N. J.; W. W. Anstine & Co., 1215 Filbert street; Charles D. Burns, Drexel Building; Melody & Keating, 1218 Chestnut street; Burd P. Evans & Co., Thirteenth and Wallace sts.; Warren, Moore & Co., Commercial Trust Building and Cramp & Co., Denckla Building, all of Philadelphia, are figuring.

Residence (alt. and add.), Chadds Ford, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owners, Charles B. Melladay, 1300 Delaware avenue, Wilmington. Brick and plaster, 2½ stories, 90x125 feet, tin roof, vapor heating, hardwood

floors. Plans about completed. Architects will take bids in a few days.

Residence, Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner's name withheld. Brick and rough cast, 35x90 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects will take bids in about two weeks.

Residence, Ardmore, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 25x75 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architects will take bids in about two weeks.

Residence (alt. and add.), Ardmore, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner's name withheld. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Plans about completed. Architects will soon take bids.

Church, West Chester, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, M. E. Church of West Chester, Rev. Jay Dickinson, West Chester, Pa. Stone, 1 story, 90x116 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in about ten days.

School (add.), Collingsdale, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, Board of Education, care of Walter H. Milbourn, Collingsdale, Pa. Brick, 1 story, 60x90 feet, slag roof, fan system of heating, electric lighting, slate blackboards. Plans in progress.

Armory Building, West Chester, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania, State Armory Board, Benjamin W. Demming, secretary, Harrisburg, Pa. Brick, limestone trimmings, 1 and 2 stories, 65x80 feet, slag roof, metal lath, dampproofing (proposal bond, terrazzo, marble and tile work, steel lockers (heating, plumbing and electric work separate bids). Owners taking bids, due March 13th at 9 A. M. James H. Wells, Heed Building, Philadelphia, is figuring.

Residence (alts.), and Garage, Cynwyd, Pa. Architect, private plans. Owners, Lower Merion Realty Co., Land Title Building, Philadelphia. Garage, frame, 1 story, 21x27 feet, shingle roof, cement floor. Builder, J. P. Thompson, Real Estate Trust Building, Philadelphia, is taking sub-bids.

Residence, Moylan, Pa. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, Reese M. Fleischmann, Moylan, Pa. Stone and plaster, 2½ stories, 53x41 feet, slate roof, steam heating, oak floors, tile work, composition flooring (electric work reserved). Owner taking bids, due March 2nd. R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia, are figuring.

Residence, Lyndell, Pa. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, John A. Murphy, Andalusia, Pa. Stone and frame, 2½ stories, 30x50 feet; wing, 20x30 feet, shingle roof, hot water heating, electric lighting. Architects taking bids, due March 8th. The following are figuring: J.

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Dormitory (add.), Haverford, Pa. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, Haverford College, Haverford, Pa. Stone, 3 stories, 85x35 feet, green slate roof, tile and marble work, safety treads, concrete and asphalt floors (heating and electric work reserved). Architects taking bids, due March 7th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; Stacy Reeves & Sons, 2011 Market street; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia; Millard N. Croll, Radnor, Pa.; Gray Bros., Rosemont, Pa.

Garage, West Chester, Pa. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owners, the Misses De Haven, West Chester, Pa. Brick and stucco, 1 story, 21x13 feet, slate roof, cement floor. Architect taking bids, due March 6th. The following are figuring: P. E. Jefferis, Harry W. Farra, J. M. Burns

and Cloyd R. Baldwin, all of West Chester, Pa.

Residence and Garage, Merion, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, R. J. Hughes, 1509 North Sixteenth street, Philadelphia. Stone, 2½ stories, 28x70 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in one week.

Residence (alt. and add.), Chadds Ford, Pa. \$15,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Charles B. Holladay, 1309 Delaware avenue, Wilmington. Brick and plaster, 2½ stories, 90x125 feet, tin roof, hardwood floors (vapor heating, electric lighting and plumbing reserved). Architects taking bids, due March 10th. The following are figuring: Eugene Tourison, 1001 Chestnut street, Philadelphia; John E. Healy & Son, 707 Tatnall street; W. D. Haddock & Co., 804 Orange street; W. Howard May, 1014 Rodney street, Wilmington, Del., and Ralph N. Hollingsworth, Chadds Ford, Pa.

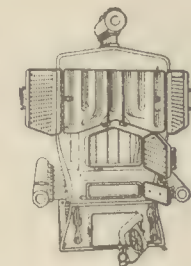
PENNSYLVANIA Contracts Awarded

Bank (add.), Lansdowne, Pa., \$6,000. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Lansdowne and Darby Saving Fund and Trust Co., Lansdowne. Granite and limestone, 2 stories, 26x21 feet, Barrett's roof, hot water heating, electric lighting, maple floors, marble and terrazzo floors, Cinlinton wire reinforcements. rein-

forced concrete floors, hollow tile partitions, vault doors, hot water heating. Contract awarded to Charles McCaul Co., 1715 Sansom street, Philadelphia.

Cottage and Implement Building, Newtown Square, Pa., \$11,500. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Miss Anne Vauclain, Newtown Square,

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Pa. Frame cottage, 2 stories, 35x25 feet; implement building, 1 story, 150x40 feet; wing, 45x33 feet, shingle roof, hot air heating. Contract awarded to W. H. Parlaman, Devon, Pa.

Residence (alt. and add.), Fort Washington, Pa., \$3,000. Architect, W. T. Godfrey, 8315 Norwood avenue, Philadelphia. Owner, Wm.

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Philadelphia, Pa.

G. Oberholtzer, Fort Washington, Pa. Brick and plaster, 2½ stories, slate and tin roof,

hot water heating, electric lighting. Contract awarded to David McCork, Flourtown, Pa.

NEW JERSEY**Construction News**

Residence, Trenton, N. J. Architect, Walter Thomas Mayo, Seventeenth and Chestnut streets, Philadelphia. Owner, William L. Allfather, 204 Rosemont street, Trenton, N. J. Hollow tile and stucco, 2½ stories, 30x40 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in one week.

Dairy Buildings, Juliustown, N. J. Architects, Edward Burnett & F. S. Marlow, 11 East Twenty-fourth street, New York City. Owner, Dr. James Bishop, Juliustown, N. J. Stone and concrete, 1 and 2 stories. Dairy building, 48x60 feet and 24x14 feet; power

house, 60x45 feet; milking barn, 73x46 feet; cow sheds, 160x141 feet; storehouse, 78x40 feet; asbestos roof, Clinton wire lath, waterproofing, roof ventilators, iron stairs, steel sash, hollow metal doors. Architects have received bids.

Cottage, Cape May, N. J., \$9,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, F. L. Harding, 6342 Drexel Road, Philadelphia. Frame and stucco, 2½ stories, 26x50 feet, shingle roof, electric lighting. Plans in progress. Architects will take bids in about two weeks.

NEW JERSEY**Contracts Awarded**

School, Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of William C. Haines, Berlin, N. J. Brick, 1 story, slate roof, electric lighting, steam heating. Contract awarded to Charles D. Burns, Drexel Building, Philadelphia.

School Building, West Berlin, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Wm. C. Haines, District Clerk, Berlin. Brick, 1 story, slate roof (warm air heating, plumbing and electric work separate bids). Contract awarded to Charles D. Burns, Drexel Building, Philadelphia.

Miscellaneous Construction News

College Buildings, Morgantown, W. Va., \$200,000. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, University of West Virginia, State Board of Control, Charleston, W. Va. Consists of two buildings, dormitory, 2 stories; agricultural building, 2 stories, brick, stone, concrete and steel, fireproof, details not yet decided. Plans in progress.

Laboratory Building, Wilmington, Del. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner's name withheld. Brick, terra cotta, concrete and steel, 1 story, 90x110 feet, steam heating, electric lighting, tile work, metal lath. Plans about completed. Architect will take bids in about two weeks.

Miscellaneous Contracts Awarded

Residence (alt. and add.), Wilmington, Del. Architect, Albert D. Dilks, 1001 Chestnut street, Philadelphia. Owner, Mrs. Wm. K. Du Pont, Wilmington, Del. Hollow tile and brick, fireproof, steam heating, electric lighting, tile work, hardwood floors. Contract awarded to Wm. D. Haddock & Co., 804 Orange street, Wilmington, Del., who are taking sub-bids.

Theatre (add.), Wilmington, Del., \$8,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, United Developing Co., Wilmington, Del. Brick, 2 stories, 32x56 feet, slag roof, steam heating, electric lighting. Contract awarded to M. Tomezyk, 1209 Maple street, Wilmington.

Residence and Garage, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, Richard O. Cooke, 2204 Shallers avenue, Wilmington. Hollow tile, stucco and stone, 2½ stories, 25x45 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors, metal lath,

dampproofing. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Residence, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington. Owner, architect. Brick and stucco, 2 stories, 60x24 feet, slate roof, vapor heating, electric lighting, hardwood floors, tile work. Contract awarded to W. Howard May, 1014 Rodney street, Wilmington, Del.

Residence (alt. and add.), Wilmington, Del. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner's name withheld. Electric lighting, hardwood floors. Contract awarded to Charles J. Dougherty, 1809 Lincoln street, Wilmington, Del.

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93 and 95 Pearl Street, Boston, Mass.**Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Stores****MARYLAND****Construction News**

Office Building, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Sun Life Insurance Co. of America, Baltimore, Md. Brick, granite and terra cotta and steel, 4 stories, 67x73 feet, slag roof, hollow metal or kalamein doors, fire doors, roof ventilators, tile and marble work, metal lath, dampproofing (heating, plumbing, electric work and elevator reserved). Architect has received bids.

Y. W. C. A. Building, Baltimore, Md. Architect, Joseph Evans Sperry, Calvert Building, Baltimore, Md. Owners, Y. W. C. A., Baltimore, Md. Brick, terra cotta, steel and concrete, fireproof, 6 stories, 141x69 feet, composition roof, enameled bricks, metal lath, electric lighting, steam heating, elevators, waterproofing. Architect taking revised bids, due March 4th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Dwellings, Poplar Grove street, Baltimore, \$160,000. Architect, private plans. Owners, Linthicum Bros., care of S. Linthicum, Jr., 217 St. Paul street, Baltimore. Frome, 2½ stories, 14x45 feet, combination lighting. Owners will take sub-bids on all lines.

Office Building, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Sun Life Insurance Co. of America, Baltimore. Brick, granite and terra cotta and steel, 4 stories, 67x73 feet, slag

roof, hollow metal or kalamein doors, fire doors, roof ventilators, tile and marble work, metal lath, dampproofing (heating, plumbing, electric work and elevators reserved). Architect taking bids, due February 29th. The following are figuring: Irwin & Leighton, 126 North Twelfth street, Philadelphia; J. Henry Miller, Inc., Eutaw and Franklin streets; D. M. Andrew Co., Mt. Vernon avenue and Twenty-sixth street; Fred Decker & Son, 1209 East Biddle street; West Construction Co., Knickerbocker Building; Monmonier & Sorrell, 1711 McCulloh street; Consolidated Eng. Co., Calvert Building; George Hunnecker & Son, 305 St. Paul street; Clarence E. Stubbs, Equitable Building; Cogswell-Koether Co., 406 Park avenue; Charles L. Stockhausen Co., Inc., Marine National Bank Building; E. H. Goldsmith, 1 North Eutaw street; Singer-Pentz Co., 600 Equitable Building; James Posey, Engr., Fidelity Building, all of Baltimore, Md., and George A. Fuller Co., Munsey Building, Washington, D. C.

College Building (add.), Baltimore, Md., \$25,000. Architects, Ellicott & Emmart, Baltimore. Owners, Goucher College, care of Dr. William W. Guth, president, Baltimore. Consists of addition and interior alterations to chapel and auditorium, changing basement into gymnasium, shower baths, locker rooms, kitchen equipment. Plans in progress.

MARYLAND**Contracts Awarded**

Church Building, Walbrook avenue and Rosedale street, Baltimore, \$20,000. Architect, Clyde N. Friz, 1123 Munsey Building, Baltimore. Owners, Temple Baptist Church, on premises. Granite, 1 story, slate roof. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore.

Packing Plant (add.) and Store, Baltimore. Architect, private plans. Owners, The Kurlle Packing Co., 2931 Taylor street, Baltimore. Brick, 1 story. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore.

Garage and Store, 27 East North avenue, Baltimore. Architect, Charles M. Anderson, 324 North Charles street, Baltimore. Owners, P-a-y-e Bus Co., 1728 North Charles street, Baltimore. Brick and stucco, 2 stories. Contract awarded to Arthur F. West, 15 East Fayette street, Baltimore.

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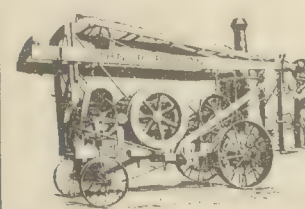
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PHILADELPHIA, PA., MARCH 1, 1916.

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Editorial Comment

At the recent convention of the National Association of Builders' Exchanges, at Baltimore, the retiring president, H. L. Lewman, of Louisville, Ky., created some stir by an address touching upon the necessity for classifying architects.

In part he said:

"I desire to call your attention particularly to one matter, as I think this largely influences your future success. I refer to the classification of architects. Though the people understand there are doctors and quacks, lawyers and shysters, and so on through all the trades and professions, yet we generally let the people believe there is no distinction between architects.

"This situation is unique and is no doubt brought about by our past subserviency and our present enforced silence and submission in localities where the new contract documents are not in use.

"It appears to me that it is our duty to the public and ourselves to use sterner methods than those of the past year, and turn the full light of publicity on those architects who refuse to use the new documents and who are still clinging to the 'comfortable blanket clauses' under which the ignorant and incompetent architect seeks to protect himself."

He also said that "building ethics are appalling," that bids on contracts are frequently secured by methods of unfairness and misrepresentation, that the competitive methods foolishly admit all sorts of "treachery and auction-room bargaining." He said he was not speaking against fair and honorable competition, but that he wanted some improvements on "the methods of 100 years ago."

His report was adopted by the convention and copies of it will be sent to all the individual exchanges for consideration.

* * *

The New York "Sun," with a view to stimulating popular interest in country house design, announces its second country house competition. The competition is for floor plans and perspective for a country house which can be built at a cost of not more than \$4,500. No designs are to be accepted from practicing architects, the contest being limited to draughtsmen in architects' offices. It is further limited to employees of firms whose offices are within the boundaries of Greater New York, Long Island, Westchester County, N. Y.; Hudson, Bergen, Morris, Essex, Passaic, Union, Middlesex and Monmouth Counties, N. J., and Fairfield County, Conn., and the students of all architectural schools within these boundaries; students of the Society of Beaux Arts, New York City, and of the architectural schools of Columbia College, University of Pennsylvania, Harvard and Cornell Universities and the Massachusetts Institute of Technology. All designs submitted are to be judged by a jury of profes-

sional men consisting of John Russell Pope, Burt L. Fenner and Samuel P. Trowbridge, and for the four best designs selected by them as having the best qualities, judged from the terms of the competition, the "Sun" will award prizes as follows: First prize, \$250; second prize, \$150; third prize, \$50; fourth prize, \$50. The terms of the competition are:

First—The design must be for a two-story and cellar all the year house. An attic may be included if desired. The building must be one that can be erected, exclusive of cost of land, in the suburban district of New York, for a cost not to exceed \$4,500. It is assumed to have not more than 28,000 cubic feet of contents from the cellar floor. Included in the cost must be all charges for a complete building except for lighting fixtures and decorations. Plumbing fixtures, heating plant and wiring for lighting must be included.

Second—For the purposes of this competition the plot on which this house is to be erected is assumed to be level and of an area 100x100 feet. It is assumed that the ground is free of rock and can be excavated at the usual cost for such work.

Third—No limit is placed on the area of the structure and the materials to be used in construction except those of cost and size of plot.

Fourth—It is assumed that the house designed will be for the use of three adults, two children and one servant.

Fifth—All drawings shall be rendered in pen and ink and shall consist of a plot plan drawn to a scale 1-16 of an inch to a foot; a perspective of the front of the house drawn to a scale 1/4 of an inch to a foot on the nearest corner and plans of both floors drawn to a scale 1/8 of an inch to a foot. All drawings must be mounted on cardboard.

Sixth—The plot plan must indicate the position of the house on the plot. For this purpose it is assumed that there are three adjoining plots each 100x100 in size, any two of which are assumed to be built on already. The competitive plan must show the proposed improvement of the third plot and its relation to the other two. This block plan must show approaches, paths, garage and garden details of one of them. Floor plans and perspective are to be of sufficient detail that finished plans can be made from them.

Seventh—All plans are to remain the property of the various contestants, but the "Sun" reserves the right to publish any or all of them without further compensation than has been stated above. Plans are to be returned to competitors as soon after the close of the competition as practicable. The "Sun" will take reasonable care of all drawings, but will not be responsible for any drawings lost or damaged.

Eighth—This competition is to be closed

at midnight, March 26. All competitive drawings must by that time be received at the office of the "Sun," 150 Nassau street, New York City.

Ninth—All designs are to be signed by a character selected by each competitor. Accompanying all drawings must be sealed envelopes containing full name and character mark of each competitor; name and address of office in which he or she is employed or the school at which the competitor is studying, and the following form signed by the full name of the competitor:

I (we) affirm that the design and plan submitted by me (us) in this, the "Sun's" Country Home Competition, are of my (our) own original conception, and have not been adapted or copied from any other design or plan.

Signature.....

Tenth—Each competitor must submit with his drawings a description of his building, materials, etc., the description to be limited to not more than 500 words.

Judges of this competition will be asked to base their awards on the fitness of the design to the material employed, the adaptability of the design, the excellence of the plan and the possibility of production within the allowed amount.

This competition is intended to provide a means for young draughtsmen to express their ideas regarding modern country home planning. It is the hope of the "Sun" that through the expression of such ideas, gained from a study of present day requirements, a type of modern country home may be evolved which will answer the demand for a combination of attractiveness, comfort, stability and efficiency, all at reasonable cost.

The "Sun" has attempted to make the terms of the competition as clear as possible in the program. Experience indicates that many competitors will want to know a good many details more than are published. The "Guide" is advised that all inquiries addressed to the "Sun" will be answered fully and promptly.

* * *

At a masque given in the studios of Louis C. Tiffany recently in honor of Mr. Tiffany's birthday, that distinguished designer made a brief address on modern art and critics that has since given rise to considerable discussion. The more notable—and quotable—paragraphs are here reprinted for the benefit of those who, having heard informally of Mr. Tiffany's address, are besieged by a natural curiosity to learn just what views it may have embodied. The part in reference to modern art and critics is as follows:

"What is the quest of beauty? What else is the goal that an artist sets before him but that same spirit of beauty? Who can give the formula for it? Are there not as many different paths to it as there are workmen, and are there not as many different definitions of beauty as there are artists, and yet I wish to express what I have found in art. How can I say in a few words what I have been striving to express in art during my life?

"Art starts from an instinct in all—stronger in one than another; and that instinct leads to the fixing of beauty in one of a hundred ways. But, if we look closer, we find some artists are drawn aside from the pursuit of beauty to worship the idol of technique, though only a small part of the effectiveness of a work in art can be credited to technique. The thirteenth century stained glass makers were great because they saw and reproduced beauty from the skies and stars—the gems and rugs; they translated the beauty into the speech of stained glass. In later days, ignoring the beauty of the glass by using paint, destroyed, by this technique, the beauty for which they were striving.

"If I may be forgiven a word about my own work, I would merely say that I have always striven to fix beauty in wood or stone or glass or pottery, in oil or watercolor, by using whatever seemed fittest for the expression of beauty; that has been my creed, and I see no reason to change it. It seems as if the artists who place all their energies on technique have nothing left over for the more important matter—the pursuit of beauty. The 'Modernists'—as they are called for want of a better term—wander after curiosities of technique, vaguely hoping they may light on some invention which will make them famous. They do not belong to art; they are not artists; they are untrained inventors of processes of the arts.

"One thing more—it seems to me that the majority of critics miss the chance of doing good by failing to understand the situation; too many of them waste their time in disapproval of what they dislike, instead of looking for what they can honestly admire. The public thinks that a critic is a person who attacks and condemns; a critic should be one who discriminates. The critic who can do good is one who does not neglect the high lights for the shadows, but strives to find the best points in each work of art, and to show his discrimination by setting them clearly before the public.

"I wish to end by two quotations from Philip James Bailey:

"'Art is man's nature; nature is God's art.'

"'The worst way to improve the world is to condemn it.'

"Forgive me for this delay. I wanted to protest that beauty can be found in any material, through the proper channel."

ITEMS TO BE CHARGED TO OVERHEAD.

Rules for Finding Cost of Doing Business and Net Profit or Loss.

The items which should be charged up to the cost of doing business, or overhead expense as it is called, are set forth in a set of rules compiled by the National Association of Credit Men. These rules also explain how any man can find out what percentage his

cost of business is of his sales and his net profit or loss on the business he is doing, as follows:

1. Charge interest on the net amount of your total investment at the beginning of your business year, exclusive of real estate.

2. Charge rental on real estate or buildings owned by you and used in your business at a rate equal to that which you would receive if renting or leasing it to others.

3. Charge in addition to what you pay for hired help an amount equal to what your services would be worth to others; also treat in like manner the services of any member of your family employed in the business not on the regular payroll.

4. Charge depreciation on all goods carried over on which you may have to make a less price because of change of style, damage, or any other cause.

5. Charge depreciation on buildings, tools, fixtures, or anything else suffering from age or wear and tear.

6. Charge amounts donated or subscriptions paid.

7. Charge all fixed expenses, such as taxes, insurance, water, light, fuel, etc.

8. Charge all incidental expenses, such as drayage, postage, office supplies, livery or expenses of horses and wagons, telegrams and telephones, advertising, canvassing, etc.

9. Charge losses of every character, including goods stolen or sent out and not charged, allowance made customers, bad debts, etc.

10. Charge collection expenses.

11. Charge any other expense not enumerated above.

12. When you have ascertained what the sum of all the foregoing items amounts to, prove it by your books, and you will have your total expense for the year; divide this figure by the total of your sales, and it will show you the percentage which it has cost you to do business.

13. Take this percentage and deduct it from the price of any article you have sold, then subtract from the remainder what it cost you (invoice price and freight), and the result will show your net profit or loss on the article.

14. Go over the selling prices of the various articles you handle and see where you stand as to profits, then get busy in putting your selling figures on a profitable basis and talk it over with your competitor as well.

ABSOLUTELY NECESSARY.

We may live without poetry, music and art;
We may live without conscience and live without heart;
We may live without friends, we may live without fads;
But business to-day cannot live without ads.

Once-in-a-while advertising is like once-in-a-while eating. Good in its way, but decidedly not nourishing.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



MODERN PLANING MILL.

The Penn Planing Mill Company was incorporated in Pennsylvania on April 2, 1902, having purchased the business of the F. Shunk Planing Mill Company, which company had been operating for more than fifty years.

The company's plant was destroyed by fire in 1911.

In 1912 a new mill, 90x200 feet, was erected at Second and Grape streets, Reading, Pa. This mill was equipped with the most modern wood working machinery obtainable.

The situation of the plant is an ideal one. It is operated entirely by electricity, and employs at the present time sixty hands. The plant is so arranged, however, that the number of operators can be doubled at any time.

The experience of the company's officers, combined with their modern plant, assures to any one placing contracts for wood work the best possible results, both as to superiority of products and the prompt delivery of same.

The officers of the Penn Planing Mill Company are: Harry Shunk, president; K. M. High, vice-president; C. B. High, secretary and treasurer.

In addition to their main office at Reading, the company has a Philadelphia office, in charge of Mr. Edward Scully, which has recently been opened at 3307 Powelton avenue.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scripper cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Brodsky Bros. (O), 464 North Third street. H. Seidman (C), 1312 North Sixth street. Cost, \$22,000. Eight dwellings, brick, 2 stories, 15x41 feet, Fifty-second and Columbia avenue.

Pasquarello & Meriano (O), 4906 Wayne avenue. George Cravero (C), 3042 North Twenty-first street. Store and office, brick, 2 stories, 31x100 feet, 5531 Germantown avenue.

William Felkevsteine (O), 4137 Germantown avenue. J. Dominski (C), 1754 Juniata street. Cost, \$300. Shed, 1668 Staub street.

Joseph Foyer (O), 6066 Market street. Alex. P. Locker (C), 1727 North Fifty-first street. Cost, \$1,450. Store and dwelling, 633 South Sixtieth street.

Hale & Kilburn (O), Seventeenth and Glenwood avenue. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$6,000. Manufacturing Building, Seventeenth and Glenwood avenue.

Wakefield Presbyterian Church (O), Loudon street and Germantown avenue. F. B. Davis (C), 240 North Sixteenth street. Cost, \$915. Church, Loudon street and Germantown avenue.

M. Levy (O), 1125 Bainbridge street. I. Shulman (C), 1112 Bainbridge street. Cost, \$1,200. Store, Twelfth and Bainbridge streets.

James A. Kenney (O), Howard and Norris streets. Frank I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$1,560. Manufacturing Building, Howard and Norris streets.

Edwin L. Deeds (O), 1102 South Divinity street. Cost, \$84,000. Forty-two dwellings,

stone and brick, 2 stories, 16x32 feet, 500 South Yewdell street.

Robert Killough (O), Wayne avenue and Duval street. Cost, \$48,000. Ten dwellings, stone, 3 stories, 22x36 feet, Lincoln Drive and Arbutus street.

Francis J. Baltz (O), 5007 North Fifth street. Cost, \$15,200. Six dwellings, brick, 2 stories, 16x47 feet, 400-8 Lindley avenue.

Daniel Crawford (O), 701 North Sixty-third street. Cost, \$65,400. Twenty-seven dwellings, stone and brick, 2 stories, 15x41 feet, Marvine and Courtland streets.

Roman & Felix (O), 40 North Willow Grove avenue. Cost, \$8,000. Four dwellings, brick and stone, 2 stories, 15x37 feet, Abington and Devon avenue.

Klaus & Baxter (O), 5715 Ashland avenue. Robert Walsh (C), Thirty-third and Wallace streets. Cost, \$133,800. Ninety-four dwellings, brick, 2 stories, 15x32 feet, Yewdell street and Greenway avenue.

John M. Montimer (O), 3024 E street. Cost, \$1,700 each. Ten dwellings, stone and brick, 2 stories 14x42 feet, 3323-41 Jasper street.

Fred A. Gelbaus (O), Fifteenth and Courtland streets. Cost, \$4,000. Dwelling, stone and brick, 3 stories, 16x65 feet, 4709 North Broad street.

Myles Hannigan (O), 1932 South Sixteenth street. Thomas L. Drummond (C), 2343 South Sixteenth street. Cost, \$2,500. Brick, 2 stories, 52x44 feet, stable, 1935-37 South Bancroft street.

Alterations and Additions

C. Hunsicker (O), West Upsal street. H. H. Burrell (C), 206 South Quince street. Cost, \$400. Dwelling, 5849 North Twelfth street.

H. Cohen (O), 250 South street. N. Rozintsky (C), 520 Dickinson street. Cost, \$1,100. Store and dwelling, 250 South street.

Margaret Keovigh (O), 115 South Sixtieth street. J. D. Fisher (C), 5718 Market street. Cost, \$4,500. Storage, Sixtieth and Sansom streets.

J. J. Felin Co. (O), 4142 Germantown avenue. M. W. Kellogg Co. (C), 90 West street, New York City. Cost, \$2,400. Chimney, 4142 Germantown avenue.

George W. Blabon Co. (O), Twenty-first and Hunting Park avenue. William Steele & Sons Co., 1600 Arch street. Cost, \$3,000. Machine shop, Blabon street and P. and R. R. R.

J. Gibson McIlvain (O), 1420 Chestnut street. William A. Patterson (C), 5333 Vine street. Cost, \$1,500. Two dwellings, 5717-19 Ashland street.

Max Aaron (O), 217 Apslay street. M. L. Bean (C), 4411 Germantown avenue. Cost, \$700. Storage, 1917 North Broad street.

Frank G. Richards (O), 118 West Phil Ellena street. Samuel Harding (C), 20 East Johnson street. Cost, \$600. Dwelling, 118 West Phil Ellena street.

John M. Neilloys (O), 1419 Spring Garden street. H. H. Burrell (C), 206 South Quince street. Cost, \$2,000. Storage house, 1419 Spring Garden street.

William F. Read & Sons Co. (O), Twelfth and Jackson streets. H. H. Burrell (C), 206 South Quince street. Cost, \$1,000. Factory, Twelfth and Jackson streets.

John F. Davidson (O), 7002 Greene street. James H. Walters (C), 168 East Walnut lane. Cost, \$635. Garage, Sedgwick and Greene streets.

Walker & Fulsner (O), 214 South Second street. J. Gorchov (C), 4116 Girard avenue. Cost, \$500. Store, 214 South Second street.

E. A. Parker (O), 27 North Juniper street. J. Ehmann (C), 1024 Cross street. Cost, \$500. Stable, 2016 South Eleventh street.

M. Gross (O), 1414 South Nineteenth street. A. Shestack (C), 528 Reed street. Cost, \$375. Store and dwelling, 1414 South Nineteenth street.

Josephine Stirk (O), 1636 Filmore street. D. Henwood (C), 1509 Wood street. Cost, \$1,650. Store, 4740 Frankford avenue.

David Goldsmith (O), 310 Moore street. Jacob Bender (C), 1810 South Fourth street. Cost, \$2,000. Stable, 310-14 Moore street.

C. & R. Grunder (O), William Penn P. O., Pa. Cost, \$800. Milk plant, Delmar and Tibben streets.

George B. Clopp (O), 3207 Spring Garden street. Cost, \$300. Shop, 3717 Filbert street.

Effingham Perot (O), 125 South Fifth street. John Duncan (C), 920 Walnut street. Cost, \$1,200. Manufacturing building, 36 North Delaware avenue.

Baldwin Locomotive Works (O), Broad and Spring Garden streets. Armstrong & Latta (C), Land Title Building. Cost, \$10,000. Machine shop, Twenty-sixth and Pennsylvania avenue.

Frank Silver (O), 1623 North Thirteenth street. J. F. Grant (C), 1625 North Thirteenth street. Cost, \$700. Garage, 1623 North Thirteenth street.

Morris Dannenbaum (O), 930 Market street. Frank G. Stewart (C), 1619 Sansom street. Cost, \$12,300. Office and warehouse, 1017 Race street.

John C. Rausch (O), 2115 North Sixty-third street. Charles C. Pace (C), Merion, Pa. Cost, \$2,500. Garage, 2119-21 North Sixty-third street.

M. Kalvic (O), 4121 Germantown avenue. A. Zurnicke (C), 1632 Hunting Park avenue. Cost, \$3,825. Store and dwelling, 4203 Germantown avenue.

Lewis King (O), 928 Pine street. C. A. Legates (C), 322 North Gross street. Cost, \$4,500. Store and dwelling, 1122-24 Pine street.

Kugler's Restaurant (O), 1412 Chestnut street. J. F. Johnson (C), 331 North Fourth street. Cost, \$400. Restaurant, 30-36 South Fifteenth street.

T. Guexreva (O), 1141 South Ninth street. F. Palumbo (C), 521 Christian street. Cost, \$2,500. Store and dwelling, 1145 South Ninth street.

H. A. Havarth (O), 518 East Dupont street, Roxborough. John J. Hurley & Co. (C), 4416 Cresson street, Manayunk, Philadelphia. Cost, \$1,200. Store and dwelling, Pechin and Lyceum streets.

Fred Creciluis (O), Fifteenth and Wolf streets. W. Creciluis (C), 2130 Bouvier street. Cost, \$500. Store, Fifteenth and Wolf streets.

Ed. Misach (O), Forty-sixth and Brown streets. Charles G. Clark (C), Wyalusing avenue. Cost, \$300. Dwelling, Forty-sixth and Brown streets.

Sweeney Stevens (O), 2105 Tioga street. Cost, \$500. Tenement, 1906 West Tioga street.

H. C. Rumpp (O), Fifth and Cherry streets. J. Freeland Co. (C), 293 Greenpoint avenue, New York City. Cost, \$10,000. Store, Eighth and Chestnut streets.

Barrett Manufacturing Co. (O), Bermuda and Margaret streets. A. R. Raff (C), 1635 Thompson street. Cost, \$4,000. Factory, Bermuda and Margaret streets.

Taylor Watson (O), 129 North Millick street. Cost, \$800. Dwelling, 6141 Girard avenue.

COUNTRY'S BUILDING RECORD.

Fewer But More Expensive Structures Planned in January.

In the four weeks starting with the first of the year and ending January 31, 12,818 buildings were planned in 139 cities in the United States. Though this represents a considerable amount of building, January of 1915, and in fact those of 1914 and 1913, surpassed in volume the record of last month. In expenditure, however, 1916's January leads other years.

According to reports to "Bradstreet's Journal" from 139 cities, buildings planned last month will cost \$52,761,278 to erect. This total is 19.8 per cent. above 1915's and 7 per cent. more than 1914's.

The far Western States alone show a de-

crease in permits from a year ago in January, while every group but the Eastern States shows a gain in expenditure, the falling off in the middle group being accounted for by Manhattan and Bronx building showing a decline more than offsetting gains by Brooklyn and Queens boroughs.

The increase in values in the Northwest is large, 88 per cent., while the increase in New England is smallest, in this respect contrasting sharply with January a year ago, when the "munitions boom" as regards building began in New England.

Of the 139 cities reporting for January, eighty-six, or three-fifths, show gains over a year ago. New York City, four boroughs reporting, is one of the cities showing a decrease from a year ago, 117 per cent. Other large cities showing decreases in January are Boston, 25 per cent.; Pittsburgh, 26 per cent.; St. Louis, 48 per cent.; St. Paul, 39 per cent.; Portland, Ore., 55 per cent.; San Francisco, 5.8 per cent.; Baltimore, $\frac{1}{2}$ of 1 per cent.

Some of the cities showing gains are Buffalo, 34 per cent.; Jersey City, 99 per cent.; Newark, N. J., 5.7 per cent.; Philadelphia, 104 per cent.; Cleveland, 43 per cent.; Detroit, 62.6 per cent.; Chicago, 87.6 per cent.; Milwaukee, 19.5 per cent.; Minneapolis, 20.8 per cent.; Richmond, 88 per cent., and Los Angeles, 95 per cent.

FACTS ABOUT MASONRY.

Notes on Weight and Strength of Materials, Methods of Measurement in Common Use, System of Computing Loads on the Soil, Valuable for Reference to the Builder and Architect.

Stone masonry is a matter of first importance to the builder, as its conditions must be studied whatever materials are eventually used in the foundation of the building under consideration.

Here are some notes on weights and strengths of materials, and methods of measurement in common use, which are valuable for reference.

Measurements.

Stone masonry is measured by two systems. Quarryman's and mason's measurements. By the quarryman's measurements, the actual contents are measured; that is, all openings are taken out and all corners are measured single. By mason's measurements all corners and piers are doubled. No allowance is made for openings less than three by five feet, and only half the amount of openings larger than this.

Range work and cut work is measured superficially and in addition to wall measurement. An average of six bushels of sand and cement is used per perch of rubble masonry. Stone walls are measured by the perch of $24\frac{3}{4}$ cubic feet, but in practice 25 cubic feet are considered a perch of masonry. Openings less than three feet wide are counted solid,

but openings over three feet are deducted, although eighteen inches are added to the running measure for each jamb built.

Arches and Dimension Stone.

Arches are counted solid from their spring, corners of buildings are measured twice. It is customary to measure all foundations and dimension stone by the cubic foot. Water tables and base courses are measured by lineal feet. Walls are never considered to be less than eighteen inches thick. The height of brick or stone piers should not exceed twelve times their thickness at the base.

Excavations.

Excavations are measured by the cubic yard and irregular depth or surfaces are generally averaged in practice. To find the number of perches in an ordinary job multiply together the length, height and thickness in feet and divide by 22.

Concrete.

Concrete work is usually measured by the cubic yard of 27 cubic feet. One bushel of cement and two bushels of sand will cover three and one-half square yards one inch thick, and four and one-half square yards three-fourths of an inch thick.

Brick Work.

Brick work is generally measured by one thousand bricks laid in the wall. Bricks vary in size according to the locality and manufacture. An ordinary brick is $8\frac{1}{4} \times 4 \times 2$ and some are a little shorter, a little wider and a little thicker. In fact, there is no standard size. A rough rule is to calculate 22 bricks, without considering the mortar, to the cubic foot. Another method of determining the number of brick is according to the square foot face of the wall. Eight common bricks to the foot in a four-inch wall, fourteen common bricks in a nine-inch wall, twenty-two bricks in a thirteen-inch wall and twenty-eight to thirty in an eighteen-inch wall. Walls of greater thickness in the same proportion.

One and one-eighth barrels of lime, five-eighths yard of sand will lay one thousand common brick. Corners are not measured twice as in stone work. Openings over two feet square are deducted. Arches are counted from the spring. Fancy work, counted one and a half bricks for one. Pillars are measured on their face only.

Mortar.

A cubic yard of mortar requires one cubic yard of sand and nine bushels of lime. It will fill thirty hods. One thousand bricks closely stacked occupy about 56 cubic feet. The same number of old brick cleaned and loosely stacked occupy about 72 cubic feet.

Chimneys.

In chimneys five courses of brick will lay one foot in height. Six bricks in a single course will make a flue opening four inches wide and twelve inches long and eight bricks in a single course will make a flue opening eight inches wide and sixteen inches long. Unless there is a flue lining the wall of a chimney should not be less than two bricks in thickness. The safe bearing load for brick

work laid in lime mortar is estimated at one hundred pounds per square inch. Hard bricks laid in Portland cement mortar will support two hundred pounds per square inch. Granite squared in stone work, three hundred and fifty pounds, sand stone one hundred and seventy-five, rubble stone work laid in lime mortar, eighty pounds. The same laid in cement mortar, one hundred and fifty. Concrete laid one part cement, two of sand and five of broken stone, one hundred and fifty pounds. Limestone, squared stone work, 250 pounds.

Bearing Load on the Soil.

However strong a wall may be there must be a sufficient support under it, so it is necessary to consider the bearing loads which it is safe to put on the foundation soil. The hardest rock in its native bed will support one hundred tons to the square foot. Rock equal to the best Ashlar masonry, twenty-five to thirty tons; rock that is equal to the best brick will carry fifteen to twenty tons. Clay, when it is in thick beds and always dry will carry from four to six tons to the square foot; clay moderately dry, two to four tons; soft clay, one to two tons. Gravel and coarse sand well cemented by nature will carry eight to ten tons; compact sand will carry four to six tons; sand which is clean and dry, two to four tons. Quick-sand and alluvial soils are allowed one-half to a ton per square foot.—John Upton, in "Keith's Magazine."

COMPOSITION FLOORING.

How It Is Made and Why It Is Desirable.

Few persons know what composition flooring really is or why this material is more desirable in certain classes of buildings than any other floor covering. This is due in part to the comparatively recent discovery of its process of manufacture, and also to the secrecy with which the business itself has been conducted in this country.

Composition flooring, says an unidentified authority, is what might be termed a magnesium chloride cement. When commercial magnesite is mixed with a strong solution of magnesium chloride, it dries or sets in a few hours into a firm, hard mass, capable of receiving a high polish. Certain fillers and coloring matters are always added to give to the finished product attractiveness, resiliency, elasticity and other desirable qualities.

This material is laid in a plastic state and bonds directly to wood, concrete or metal. It takes its initial set in from two to six hours and may then be troweled to a very smooth and even finish. After twenty-four to thirty-six hours it may be walked upon, but it is advisable to protect it against constant and heavy traffic for at least 48 hours.

Perhaps the most striking feature about composition flooring is the fact that it is sanitary. When properly installed its surface is smooth and unabsorptive. Unlike cement or terrazzo, it will not give off dust when walked upon. A room, no matter how large, may be laid in one continuous stretch without cracks

or joints of any description. Moreover, a sanitary cove base may be readily installed with this same material so that all joints between walls and floors are germ and dirt-proof.

Composition is also fire resistive. It will successfully withstand the action of heat to a temperature of from 1,500 to 1,800 degrees F.; at a higher temperature it will not burn, but will crack or burst, due to the formation of steam from the water which remains after the setting process is complete.

The resiliency of a composition floor depends largely upon the fillers used in its manufacture and the method of its installation. It should be added, however, that a highly resilient floor is not necessarily, or even generally, one which possesses a soft or penetrable surface. Composition ranks high among the standard flooring materials in both crushing and tensile strength. Some composition floorings laid $\frac{1}{2}$ inch thick showed that its ultimate crushing strength was approximately 10,000 pounds a square inch. Its tensile strength is about 600 pounds a square inch.

Composition is inherently a non-slippery floor covering. It can be mixed and laid in such a manner that even on steep inclines there will be no danger of persons slipping or injuring themselves. It weighs less than 4 pounds a square foot after setting is complete. For that reason it is often used in old buildings where the supports to the floor are not strong. It is not absolutely waterproof, but shows an absorption of about 2 per cent. after 48 hours of immersion in water. Thereafter, it will gradually take on more water, and in time will soften to a point of disintegration. It is advisable, therefore, never to use composition where water is to remain on the floor for more than a few hours at a time, or where the foundation is damp or is likely to become damp.

NEW YORK A BILLION DOLLAR FLAT CITY.

Every day new evidence of the greatness of New York is coming to light, says the New York "Sun." In so many ways is the city superior to others that this information no longer creates surprise. There was a look of wonderment, however, on the faces of the real estate men who attended last week the dinner of the New York Building Managers' Association at the Machinery Club when Tenement House Commissioner Murphy said that the cost of tenements erected since the tenement house law came into effect thirteen years ago was \$1,100,000,000, a fabulous figure. There are in New York, Commissioner Murphy explained, about 104,000 tenement houses, of which 78,000 are of the type erected before the law came into effect. This kind of buildings is disappearing at the rate of 1,000 a year.

The group of multifamily houses erected last year will provide accommodations for 150,000 persons. The Bronx led in the number of apartments erected, but in cost Manhattan was supreme, due to the many apart-

ment structures of the highest type which were erected here. Though the tenement house law has tended to increase congestion, Mr. Murphy explained that the law had improved the conditions of homes and that today people are living in more sanitary and healthful apartments than when the city was less congested.

"The law has done for housing conditions in New York what the pure food law has done toward safeguarding the health of the people," he explained. Mr. Murphy thought that when the transit lines now under construction are in operation there might be a distributing movement which would relieve the parent borough of some of its congestion, which he attributed to limited public facilities in the past.

There is enough land in New York, he said, with the parks and water bodies taken out, to give every family of five persons a plot 50x100 to build a home on. Mr. Murphy said that zoning of the city, which might work a hardship in some cases, was a good thing for the city at large. The question of equities should have received attention long ago, it being a maxim of law that the equity of a neighbor should not be impaired. Tall structures, he said, have often had no good effect on the improvement of the remainder of a block. The principle of ancient lights so long observed and enforced in London should have long ago been on the statute books of New York, he implied.

Proposals

Bonds. Improvements. Equipment.

At the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 17, 1916.—Sealed proposals will be opened in this office at 3 P. M., March 30, 1916, for the construction complete of the United States post office at Huntingdon, Ind. Drawings and specifications may be obtained from the custodian at Huntingdon, Ind., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 23, 1916.—Sealed proposals will be opened in this office at 3 P. M. March 27, 1916, for a conduit and wiring system and lighting fixtures for the pure food and drug laboratories, at the United States appraiser's stores, New York, N. Y., in accordance with drawings and specifications, copies of which may be had at this office or at the office of the Supervising Chief Engineer, U. S. Customhouse, New York, N. Y., in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Blue Prints.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
 Russell and Keffer,
 Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Knickerbocker Lime Co...366 N. 24th st., Phila.
- Cement.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Knickerbocker Lime Co...266 N. 24th st., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
- Cement Colors.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Columns (Metal).**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Concrete Construction.**
 Turner Concrete Steel Co..1715 Sansom st., Phila.
- Concrete Mixers.**
 Pierce-Schmidt Co.....Bulletin Bldg., Phila.
- Contractors' Equipment.**
 Pierce-Schmidt Co.....Bulletin Bldg., Phila.
- Dampproofing.**
 The Aquabar Co...Real Estate Trust Bldg., Phila.
 Barrett Mfg. Co.....N. Y. City and Phila.
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- Door Hangers.**
 Grant Pulley and Hardware Co.,
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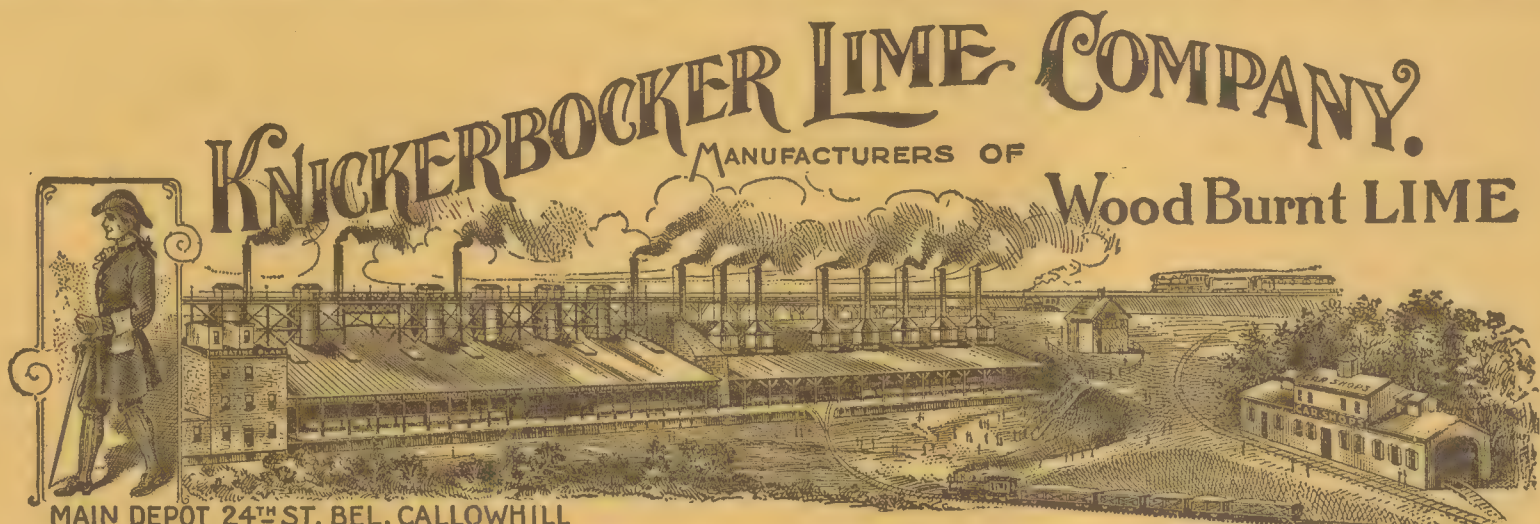
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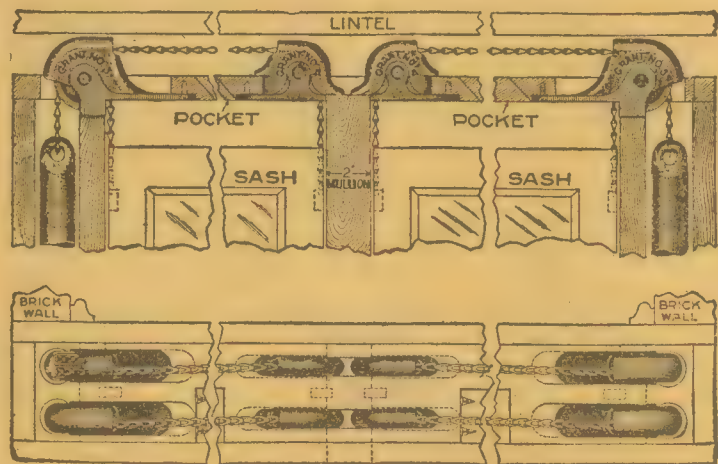
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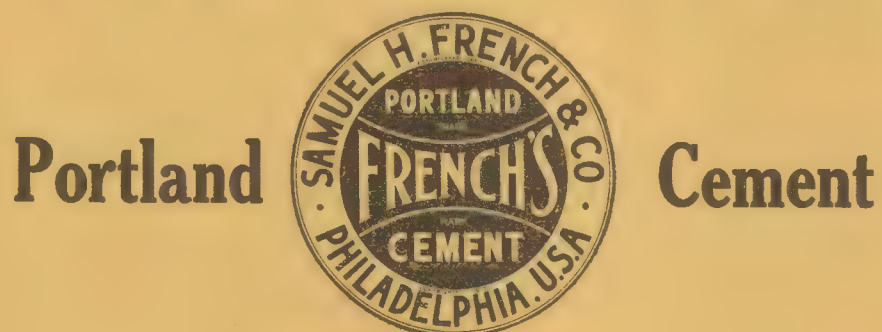
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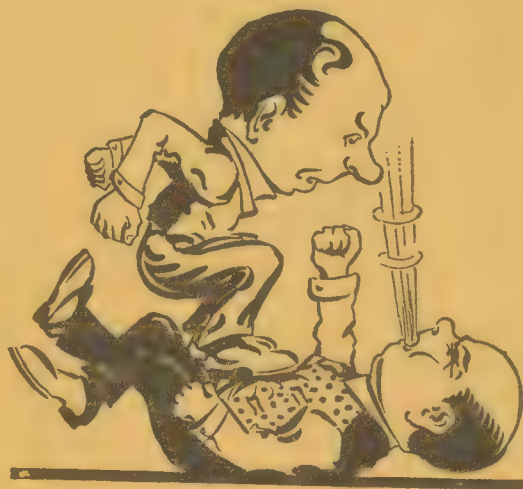
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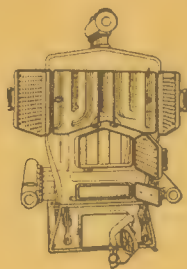
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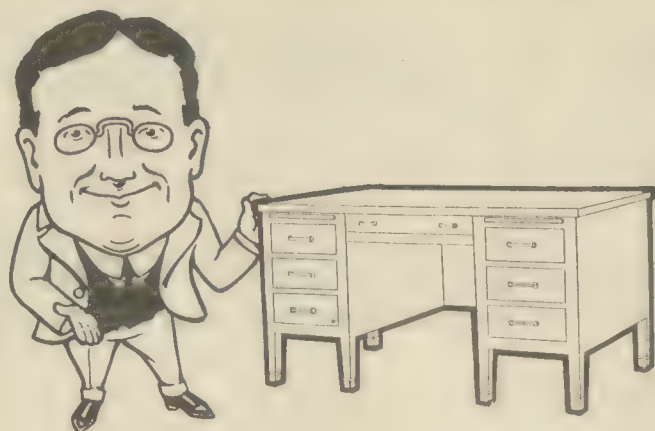
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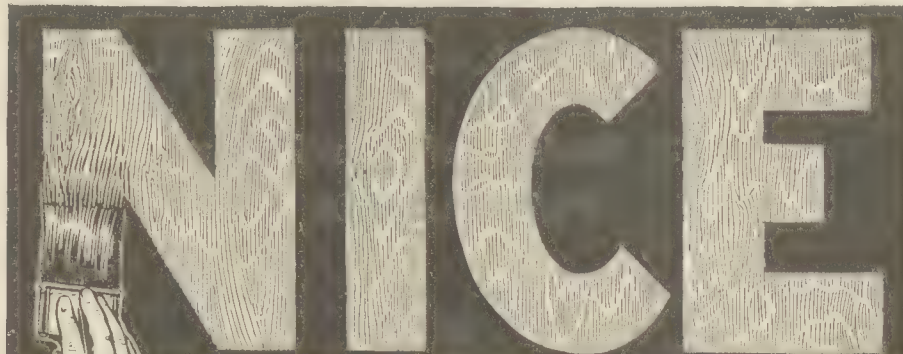
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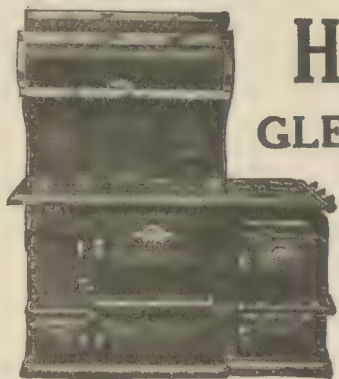


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School (add.), Eighth and Wolf streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and stone, 3 stories, 12 rooms (heating, plumbing and electric work separate bids), slate and copper roofs, metal lath, waterproofing, cement floors. Owners taking bids, due March 13th at 1 P. M. The following are figuring: Anstine & Co., 1218 Filbert street; W. Beaumont, Stephen Girard Building, H. L. Brown, 1714 Sansom street; Charles D. Burns, Drexel Building; William R. Dougherty, 1610 Sansom street; George Hogg, 1634 Sansom street; Ketcham & McQuade, 1029 Brown street; Melody & Keating, Bailey Building; Mitchell Bros., 2125 Race street; Thomas Reilly, 1616 Thompson street; Standard Const. Co., Drexel Building; Warren, Moore & Co., Commercial Trust Building.

School (add.), Thirteenth and Porter streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and stone, 2 stories, 6 rooms (plumbing, heating and electric work separate bids), slate and copper roofs, metal lath, waterproofing, concrete floors. The following are figuring: Anstine & Co., 1218 Filbert street; W. Beaumont, Stephen Girard Building; H. L. Brown, 1714 Sansom street; Chas. D. Burns, Drexel Building; Wm. R. Dougherty, 1610 Sansom street; George Hogg, 1634 Sansom street; Ketcham & McQuade, 1029 Brown street; Melody & Keating, Bailey Building; Mitchell Bros., 2125 Race street; Thomas Reilly, 1616 Thompson street; Standard Const. Co., Drexel Building; Warren, Moore & Co., Commercial Trust Building.

Residences (45), Sixty-eighth and Greenway avenue, Philadelphia. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, John Connell, Land Title Building, Philadelphia. Brick, 2 stories, 15x42 feet, sag roof, hot water heating, combination lighting, hardwood floors. Owner is taking sub-bids on 24 at present time.

Residences (33), Sixty-third and Chestnut streets, Philadelphia. Architect, private plans. Owner, Arthur D. Baker, 645 South

Yewdell street, Philadelphia. Stone, 2 stories, 15x56 feet, slate and slag roof, hot water heating, electric lighting, parquet floors, tile work. Owner is taking sub-bids on all lines.

Garage and Stores, Twenty-third and Chestnut streets, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, Edward M. Harris, Twenty-second and Market streets, Philadelphia. Brick and terra cotta. Garage, 1 story; stores, 2 stories, 115x141 feet, slag roof. Architects have received bids.

School (add.), Twenty-third and Cambria streets, Philadelphia. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick and stone, 3 stories, 12 rooms (plumbing, heating and electric work separate bids). Owners taking bids, due March 13th at 1 P. M. Slate and copper roofs, metal lath, waterproofing, concrete floors. The following are figuring: Anstine & Co., 1218 Filbert street; W. Beaumont, Stephen Girard Building; H. L. Brown, 1714 Sansom street; Charles D. Burns, Drexel Building; Wm. R. Dougherty, 1610 Sansom street; George Hogg, 1634 Sansom street; Ketcham & McQuade, 1029 Brown street; Melody & Keating, Bailey Building; Mitchell Bros., 2125 Race street; Thomas Reilly, 1616 Thompson street; Standard Construction Co., Drexel Building; Warren, Moore & Co., Commercial Trust Building.

Factory (add.), Front and Erie avenue, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Hess-Bright Manufacturing Co., on premises. Brick and steel, reinforced concrete floors, 1 story, 200x180 feet, slag roof, metal sash, electric lighting, steam heating. Architects taking bids, due March 10th. The following are figuring: H. C. Rea Co., 1027 Wood street; Wm. R. Dougherty, 1610 Sansom street; Roydhouse-Arey Co., Fidelity Building; H. E. Baton, Twelfth and Sansom streets; A. H. William's Sons, 419 Locust street.

Parochial School, Lancaster avenue, east of Media street. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Gregory's R. C. Church, Rev. R. F. Hanagan,

Fifty-second and Warren streets. Brick, stone and terra cotta, 2 stories, 74x150 feet, slag roof, dampproofing, yellow pine floors, reinforced concrete floors, iron stairs, terrazzo work, roof ventilators (heating, plumbing and electric work separate bids). Architect taking bids, due March 15th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; Bailey-Lush Co., 201 North Broad street; Melody & Keating, Bailey Building; Doyle & Co., 1519 Sansom street; Christian White Co., Fidelity Building; Wm. J. McShane, 417 South Thirteenth street.

Residences (2), 1315-1317 Pine street, Philadelphia. Architect, Frank E. Hahn, 908 Chestnut street, Philadelphia. Owner, Jos. L. Kun, Lincoln Building. Consists of interior and exterior alterations, steam heating, electric lighting, plumbing, composition and hardwood floors. Architect has received bids.

Stores (2) and Dwellings (15), Bridge street, Torresdale avenue and Granite street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, S. Goldberg & A. Vebrack, 733 Jackson street. Brick, 2 stories. Stores, 16x50 feet and 16x55 feet; seven dwellings, 16x41 feet; eight dwellings, 15x41 feet; slag roof, electric lighting, hot water heating, tile work. Plans about completed. Architect and owners will be ready for bids in about one week.

Stores (2), 101-103 Midvale avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Brick, 1 story, 15x30 feet, hot air heating, electric lighting, slag roof, marble and tile work. Architect is ready for bids.

Store, Apartment and Garage, Sixty-second and City Line. Architect, Robert Rodes McGoodwin, 34 South Sixteenth street, Philadelphia. Owner, Aram K. Jerrehian, 1609 Sansom street, Philadelphia. Brick, 3 stories, 64x41 feet, slate and slag roof, steam heating, electric lighting, metal lath, reinforced concrete floors. Architect taking bids, due March 8th. The following are figuring: Henry L. Brown, 1714 Sansom street; Thomas Little & Son, 1713 Moravian street; Pringle Borthwick, 8018 Germantown avenue; George &

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Borst, 277 South Eleventh street; Metzger & Fisher, Denckla Building; Milton W. Young, Overbrook, Pa.; Baily-Lush Co., 201 North Broad street; A. L. Frotz & Son, 1222 Chancellor street, Philadelphia.

Store Building, 802 North Broad street, Philadelphia. Architect, Charles E. Oelschlaeger, Harrison Building, Philadelphia. Owners, R. A. Heymann & Bro., Widener Building. Brick and terra cotta, 3 stories, 20x160 feet, slag roof, steam heating, elevator, electric lighting, metal lath, tile work. Architect has received bids.

Laboratory Building, Frankford, Philadelphia. Architects, Ballinger & Perrott, 1700 Arch street, Philadelphia. Owners, Barrett Manufacturing Co., Thirty-sixth and Gray's Ferry road. Brick and terra cotta, 2 stories and basement, 65x50 feet, slag roof, steel sash, reinforced concrete floors (heating and lighting reserved), plumbing. Architects taking bids, due March 8th. The following are figuring: A. R. Raff Const. Co., 1635 Thompson street; Irwin & Leighton, 126 North Twelfth street; Philip Haibach Contracting Co., Twenty-sixth and Thompson streets; F. W. Van Loon, Denckla Building; Cramp & Co., Denckla Building; H. E. Baton, Twelfth and Sansom streets; A. L. Carhart, Hale Building.

Stable, Sixteenth street, north of Tasker street. Architect, private plans. Owner, Henry Dolfinger, Sixteenth and Tasker streets. Brick, 2 stories, 100x32 feet and 44x30 feet, slag roof, reinforced concrete floors, roof ventilators, fire doors. Wm. R. Dougherty, 1610 Sansom street, has contract and is taking sub-bids.

Inbound Freight Warehouse, Front and Federal streets, \$350,000. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete, brick and terra cotta, 5 stories, 468x60 feet, slag roof, metal sash, fire doors, steel rolling doors, iron stairs, metal lath, asphalt floors, sprinkler system, steam heating, electric lighting, 5 elevators, waterproofing. Owners taking bids, due March 28. In addition to those previously reported, Cramp & Co., Denckla Building; Mitchell Bros., 2125 Race street; Fidelity Const. Co., Heed Building; Barclay White & Co., Perry Building; John N. Gill & Co., Heed Building;

Turner Concrete Steel Co., 1713 Sansom street; J. S. Rogers Co., Moorestown, N. J., are figuring.

Residence and Garage (alts.), Oak Lane, Philadelphia. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, P. P. Hagan, 1103 Prospect avenue, Oak Lane, Philadelphia. Stone and frame, 2¹/₂ stories, shingle roof, hot water heating. Architects taking bids, due March 9th. The following are figuring: Specht & Sperry, Heed Building; Joseph Bird Co., 213 North Eleventh street; Thomas C. Trafford, 1613 Sansom street; Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Service Building, Emerald and Allegheny avenue, Philadelphia. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Cleveland Worsted Mills Co., on premises. Brick, 3 stories, 10x14 feet, slag roof. Engineers taking bids, due March 13th. The following are figuring: A. R. Raff Construction Co., 1635 Thompson street; Metzger & Fisher, Denckla Building; Baily-Lush Co., 201 North Broad street; Sutton & Stephenson, 1317 Washington avenue; Monaghan & Losse, 214 South Twelfth street; George & Borst, 277 South Eleventh street.

Store Building (alt. and add.), 1714 Walnut street, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, T. M. Fitzgerald, Lansdowne, Pa. Lessee, Luigi Rienzi, on premises. Brick, 3 stories, slag roof, oak and yellow pine floors, reinforced concrete floors, tile and marble work, iron stairs, safety treads (heating, plumbing and electric work separate bids). Architect taking bids, due March 13th. The following are figuring: Frank Stewart, 1619 Sansom street; Thomas Little & Sons, 1713 Moravian street; Wm. R. Dougherty, 1610 Sansom street; Doyle & Co., 1519 Sansom street; Charles McCaul Co., 1713 Sansom street, Philadelphia.

Residence, Wissahickon avenue, below Cliveden avenue. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Enos L. Seeds, 6314 Wissahickon avenue. Stone, 2¹/₂ stories, 42x26 feet; wing, 22x26 feet; slate roof, hot water heating, electric lighting, oak floors, tile work, composition flooring. Owner is building and is taking sub-bids, due March 10th. Plans may be seen at architect's office.

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Broad street, Philadelphia. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owners, Pennsylvania Society for Prevention of Cruelty to Animals, 1627 Chestnut street, Philadelphia. Brick, 3 stories. Details not decided. Owners may remodel present building or erect new building. Plans in progress.

Residences (23), Sixty-fifth and Stenton avenue, Philadelphia. Architect, private plans. Owner, Wm. H. Leibrich, 2840 Ridge avenue, Philadelphia. Brick, 2 stories, 15x42 feet each, slag roofs, hot water heating, electric lighting, hardwood floors. Owner taking sub-bids.

Factory (add.), northeast corner Sixth and Summer streets, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Wm. P. Datz & Bro., 417 North Orianna street, Philadelphia. Brick, 6 stories and basement, 20x10x36 feet, slag roof, extension to present heating system, electric lighting, elevator, fireproof stairs. Architects taking bids, due March 13th. The following are figuring: Armstrong & Latta, Land Title Building; Wm. R. Dougherty, 1610 Sansom street; H. E. Batton, Twelfth and Sansom streets; Ketcham & McQuade, 1029 Brown street; Philip Haibach Contracting Co., Twenty-sixth and Thompson streets; H. H. Burrell, 206 South Quince street; A. R. Raff Construction Co., 1635 Thompson street.

Residence, Kitchen lane, Germantown. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Wm. E. Chapman, Widener Building, Philadelphia. Stone, 2½ stories, 30x50 feet; wing, 25x30 feet, hot water heating, electric lighting, tile work, oak floors. Architects taking bids, due March 14th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; F. B. Davis, 240 North Sixteenth street; I. A. Dunkelberger, 71 East Herman street; M. S. Oberholtzer, 5524 Pulaski street; Charles Johnson, 5701 Boyer street; W. John Stevens, Wyncote, Pa.

Chemical Factory, Delaware River and Mifflin street. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Mifflin Chemical Co., care of architect. Brick, concrete, corrugated iron and steel, 1 story, 60x200 feet, 30x60 feet, 20x40 feet, 40x80 feet and 30x50 feet, slag roofs, steam heating, electric lighting. Plans in progress. Architect will take bids in about 6 weeks.

Apartment House, northwest corner Thirteenth and Spruce streets, Philadelphia. Architect's name withheld. Owner, John Stafford, 1112 Chestnut street, Philadelphia. Brick, steel, stone and terra cotta, 13 stories, 50x170 feet, composition roof, steam heating, electric lighting, elevators, metal lath, tile and marble work. Plans about completed. Own-

er will take sub-bids on all lines in about one week.

Business Building, northwest corner of Fifteenth and Walnut streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick, terra cotta and concrete, fireproof, 4 stories, slag roof, steam heating, electric lighting, tile and marble work, metal lath, elevator. Plans in progress. Architect will take bids in three or four weeks.

Office Building, northwest corner of Sixteenth and Walnut streets, Philadelphia. Architects, McIlvain & Roberts, Land Title Building. Owners, McIlvain & Co., Land Title Building, Philadelphia. Rough texture brick, reinforced concrete and terra cotta trimmings, 12 stories, 65x80 feet, Barrett's roof, metal lath, electric lighting, 3 elevators, dampproofing, marble and terrazzo work. Builders, Metzger & Fisher, Denckla Building, taking sub-bids, due March 9th.

Residences (27), Tenth and Rockland sts., Philadelphia. Architect, private plans. Owner, Wm. B. Davenport, Fourth and Lindley avenue, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owner is taking sub-bids.

Residences (50), Hatfield street, Philadelphia. Architect, private plans. Owner, Daniel Crawford, 701 North Sixty-third street, Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Residences (3), Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 2nd, 3122 West Penn street. Owners, Queen Lane Land Co., Ctokley and Midvale avenue. Brick, 2½ stories, slate roofs, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence, St. Martins, Philadelphia, \$18,000. Architect, Samuel D. Hawley, 2nd, 3122 West Penn street, Philadelphia. Owner, Cornelius Bodine, 115 Springfield avenue, Chestnut Hill. Stone and rough cast, 2½ stories, 77x39 feet, shingle roof, vapor vacuum heating, electric lighting, tile work, oak floors. Architect taking bids, due March 11th. The following are figuring: Fred Elvidge & Sons, 5522 Germantown avenue; John E. Walt, 204 East Willow Grove avenue; F. B. Davis, 240 North Sixteenth street; Pringle Borthwick, 8018 Germantown avenue; Metzger & Fisher, Denckla Building; Keller Bros., 480 Harmon road, Roxborough, Philadelphia.

Dairy Building, 1211 North Fourth street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Jones Dairy Co., on premises. Brick, terra cotta and enameled bricks, concrete floors, 2

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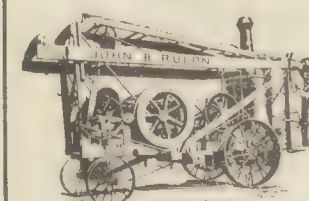
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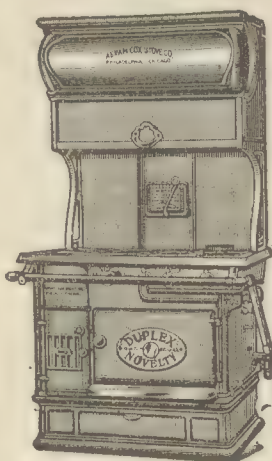
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stories, 166x30 feet, slag roof, metal lath, electric lighting, fire doors, metal sash (heating reserved). Owner taking bids, due March 9th, 9 A. M. The following are figuring: John N. Gill & Co., Heed Building; Warren, Moore & Co., Commercial Trust Building; J. F. Trent, 2041 Master street.

Sanitarium (alt. and add.), 1903 Green street. Architect, Edward S. Paxson, 729 Walnut street, Philadelphia. Owner's name withheld. Brick, 2 stories, tin roof, fire escapes, dumb waiters (heating and composition floors reserved). Architect taking bids, due March 10th. The following are figuring: E. J. Kretzburg, 1345 Arch street; I. T. Shoemaker, 1309 Walnut street; D. Henwood, 1509 Wood street; C. A. LeGates, 322 North Gross street, Philadelphia, and Daniel S. Sullivan, Lansdowne, Pa.

Store Building (alt. and add.), northeast corner of Nineteenth and Federal streets. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Max Winekur, on premises. Brick, 3 stories, slag roof, electric lighting, metal lath, ornamental iron work, waterproofing and dampproofing. Architects and owner taking bids, due March 9th. The following are figuring: George Hogg, 1634 Sansom street; Lam Building Co., 1001 Wood street; F. A. Havens & Co., 845 North Nineteenth street.

Provost's Residence (remodeling), 4037 Pine street, \$25,000. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, University of Pennsylvania, 400 Chestnut street. Brick, limestone trimmings, 3 stories, slate and slag roof, hot water heating, electric lighting, oak floors, marble and tile work, laundry clothes driers. Architect taking bids, due March 17th. The following are figuring: Cramp & Co., Denekla Building; F. W. Van Loon, Denekla Building; Jacob Myers & Sons Co., Witherspoon Building; Pomeroy Construction Co., 1609 Ransstead street.

Sewers, various streets, Philadelphia. Owners, City of Philadelphia, Department of Public Works, George L. Datesman, Director, City Hall. Consists of main and branch sewers and test borings. Owners taking bids, due March 16th at noon.

Police Station (alts.), 253 North Fifteenth street, Philadelphia. Architect, Louis E. Marie. City Hall. Owners, City of Philadelphia, Department of Public Safety. Composition flooring, oak partitions, metal lockers, proposal bond. Lowest bidder, I. T. Shoe-

maker, 1309 Walnut street, Philadelphia, \$2,922.

Factory Building, Keystone and Cottman streets. Engineer, Harry C. Eisenbise, Pennsylvania Building. Owners, L. H. Gilmer Co., 52 North Seventh street. Brick and concrete, 2 and 3 stories, 50x100 feet, slag roof, maple floors, metal sash (heating, plumbing, electric work and elevator reserved). Owners taking bids, due March 8th. Frank G. Stewart, 1619 Sansom street; F. W. Van Loon, Denekla Building; Smith-Hardican Co., 1606 Cherry street; Armstrong & Latta, Land Title Building, are figuring.

Store Building (alts.), northwest corner of Eleventh and Filbert streets. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Harry C. Kahn, on premises. Consists of interior alterations only, new stairs, etc. Architects taking bids, due as soon as possible. Wm. R. Dougherty, 1610 Sansom street, is figuring (only bidder).

Residences (146), Fifty-sixth and Whitby avenue and Fifty-eighth and Angora avenue. Architect, private plans. Owner, Richard H. Pugh, 5713 Market street, Philadelphia. Brick, 2 stories, slag roof, hot water heating, combination lighting, hardwood floors, tile work. Owner taking sub-bids.

Residences (12), Sixteenth and Ruskin sts., Philadelphia. Architect, private plans. Owner, S. C. Abernethy, 2724 North Fifth street, Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, hot water heating, electric lighting, hardwood floors. Work about to be started.

Residences (42), Fifty-second and Pine and Larchwood avenue. Architect, private plans. Owners, Ramsey Bros., 5932 Catherine street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heating, combination lighting, hardwood floors. Owners ready for sub-bids.

Residences (50), Fifty-eighth and Florence avenue, Philadelphia. Architect, private plans. Owner, George F. Gibson, Jr., 5807 Pentridge street. Brick, 2 and 3 stories, 16x66 feet, slag roof, hot air heating, combination lighting, hardwood floors, tile bath and shower. Owner taking sub-bids.

Residences (55) and Garages (42), Fifty-ninth and Market and Chestnut streets. Architects, private plans. Owners, Kenin & Shapiro, Fifty-fifth and Arch streets, Philadelphia. Brick, 2 stories, 16x54 feet, slag roof, hot water heating, combination lighting,

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hardwood floors, tile bath room and kitchen. Work about to be started.

Residences (37), Thirty-second and Huntingdon streets. Architect, private plans. Owner, George A. Nahm, 2736 West Girard avenue. Brick, 2 stories, 16x42 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owner is taking sub-bids.

Residences (20), Eleventh and Courtland streets, Philadelphia. Architect, private plans. Owner, Joshua M. Holmes, 4538 North Twelfth street, Philadelphia. Brick, 2 stories, 19x44 feet, slag roof, hot water heating, combination lighting, hardwood floors, tile bath. Owner is taking sub-bids.

Residences (33), Fifty-fourth and Springfield avenue, Philadelphia. Architect, private plans. Owner, Benjamin Isenberg, 3872 Poplar street. Brick, 2 stories, 15x45 feet, slag roof, hot water heating, electric lighting, hardwood floors. Work about to be started.

Residences (6), Camac and Somerville sts. Architect, private plans. Owners, F. & E. Aubel, 2520 North Ninth street, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owners taking sub-bids.

Residences (127), Fifty-sixth and Woodland avenue, Philadelphia. Architect, private plans. Owner, Wm. A. Patterson, 5333 Vine street, Philadelphia. Brick, 2 stories, 15x44 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owner ready for sub-bids.

Residences (63), Sixty-fifth and Kingsess-

ing avenue. Architect, private plans. Owner, Harvey P. Collins, 5441 Haverford avenue, Philadelphia. Brick, 2 stories, 15x41 feet, slag roof, hot water heating, combination lighting, hardwood floors. Owner taking sub-bids.

Residences (20), Raymond and Seventh sts. (10), Courtland and Seventh sts. (10). Architect, private plans. Owner, Joseph A. Blair, 4523 North Eighth street. Brick, 2 stories, 15x40 feet, 15x43 feet, slag roof, hot water heating, combination lighting, hardwood floors. Owner is taking sub-bids.

Residences (16), Tenth and Rockland sts. Architect, private plans. Owner, Joseph A. Blair, 4523 North Eighth street, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, hot air heating, combination lighting, hardwood floors. Owner is ready for sub-bids.

Residences (2) and Garages (2), Thirteenth street and Sixty-fifth avenue. Architect, private plans. Owner, William Claussen, Sixty-fifth street and Park avenue. Brick and frame, 2½ stories, 25x37 feet, slate roof, hot water heating, combination lighting, hardwood floors, tile baths and kitchens. Owner ready for sub-bids.

Residences (6) and Stores (18), northwest corner of Sixty-first and Woodland avenue. Architect, private plans. Builder, Michael McManus, 1087 Drexel Building, Philadelphia. Brick, 2 stories, 16x52 feet, slag roof, hot water heating, electric lighting, concrete porches and foundations, tile bath. Builder is taking sub-bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Business Building, northwest corner Broad and Poplar streets. Architect, M. H. Dickinson, 2330 Market street, Philadelphia. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Reinforced concrete, brick and terra cotta, 6 stories, 65x160 feet, slag roof, steam heating, electric lighting, fire doors, sprinkler system, metal sash, elevators, damp-proofing and waterproofing. Contract for concrete and masonry work awarded to Warren, Moore Company, Commercial Trust Building, Philadelphia.

Store Building, southwest corner Broad and Parrish streets, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Charles L. Cahall, 3700 Wanut street, Philadelphia. Brick and terra cotta, 2 stories, 20x108 feet, slag roof, electric lighting, electric elevator, metal lath, maple flooring (heating reserved). Contract awarded to D. Henwood, 1509 Wood street, Philadelphia.

Residence, Germantown, Philadelphia, \$15,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Wm. M. Longstreth, 230 Chestnut street, Philadelphia. Stone, 2½ stories, 65x33 feet, shingle roof, hot water heating, electric lighting, oak

floors, tile work. Contract awarded to I. A. Dunkelberger, 71 East Herman street, Germantown, Pa.

Store (alt. and add.), Broad and Dauphin streets, \$3,500. Architect, private plans. Owner, J. J. Greenberg, Morris Building, Philadelphia. Brick, 3 stories, slag roof, steam heating, electric lighting. Contract awarded to B. Bornstein, 1510 North Franklin street.

Garage, 32 West Highland avenue, \$5,400. Architect, private plans. Owner, P. F. Glynn, on premises. Brick, 1 story, slag roof, steam heating, electric lighting, cement floors. Contract awarded to John E. Walt, 204 East Wilow Grove avenue.

Store and Apartment House, 311 South Fifth street, Philadelphia. Architect, Julius Anderson, Drexel Building, Philadelphia. Owner, Mrs. J. Stallberg, 1331 South Sixth street, Philadelphia. Brick, 3 stories, 20x104 feet, slag roof, hot water heating, electric lighting, tile work. Contract awarded to Frank & Kaiser, 1522 South Sixth street, Philadelphia.

Department Store (alts.), Eighth and Market streets, Philadelphia, \$10,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owners, Strawbridge & Clothier, on premises. Slag roof, metal lath, re doors

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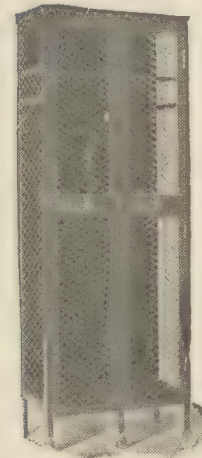
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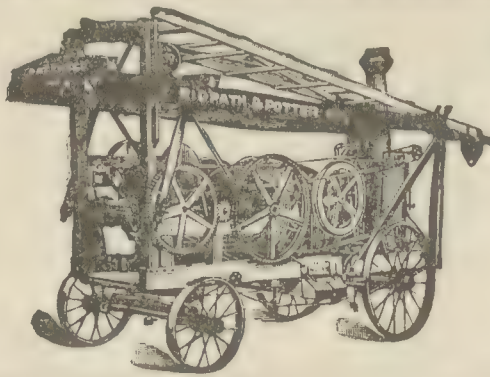
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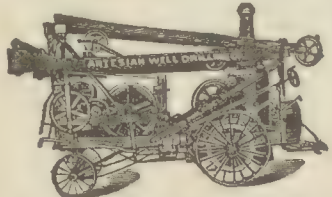
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(heating, electric work and sprinkler system reserved). Contract awarded to Stacy Reeves & Sons, 2011 Market street.

Residence (alts.), Valley road and Old York road. Architect, H. C. Wise, 133 South Twelfth street, Philadelphia. Owner, H. Buckborn, on premises. Consists of new elevator shaft, tile work, metal lath. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

Theatre, Germantown avenue and Venango street, \$125,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner, J. Effinger, Forty-first and Lancaster avenue. Brick, terra cotta, concrete and steel, 1 story, 130x145 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath. Contract awarded to Ketcham & McQuade, 1029 Brown street.



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PENNSYLVANIA

Construction News

Factory, Darby, Pa. Engineers, Willard Case Co., Whitehall Building, New York City. Owners, Griswold Worsted Co., Darby, Pa. Reinforced concrete, 2 stories, 75x60 feet, reinforced concrete roof, steel sash. Owner is taking bids. George & Borst, 277 South Eleventh street, Philadelphia, are figuring (only bidders).

Garage (add.), Daylesford, Pa. Architect, private plans. Owner, J. G. Cassatt, 2125 Walnut street, Philadelphia. Brick and terra cotta, 1 story, 30x25 feet, slate roof, hot water heating, metal lath. J. P. Thompson, Real Estate Trust Building, Philadelphia, has contract and is taking sub-bids.

Storehouse (alt. and add.), Wilkes-Barre, Pa. Architect, R. C. Clark, Chicago, Ill. Owners, Armour & Co., Wilkes-Barre, Pa. Brick, 3 stories, 28x60 feet, slag roof. Owners are taking bids.

Church, Malthy, Smoyersville Borough, Pa., \$35,000. Architect, Edward N. Finch, People's Bank Building, Wilkes-Barre. Owners, Holy Trinity Slovak R. C. Church, Rev. Jos. Mateicka. Brick and steel, 1½ stories, 58x130 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing. Architect taking bids, due March 15th. The following are figuring: Clark Bros., Plymouth, Pa.; R. A. Williams, Dorranceton, Pa.; Walborn & Barney, A. H. Hildebrandt, Kehoe & Mowrey, O. J. Behones & Son, Luther Roth and Francis Mellon, all of Wilkes-Barre, Pa.

Factory Buildings, Forty Fort, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre. Owners, Jenkins-Kirby Packing Co., Wilkes-Barre, Pa. Main building, 4 stories, 114x55 feet; garage, 1 story, 66x27 feet; power house, 1 story, 25x52 feet; wing, 25x41 feet; potato house, 2 stories, 64x20 feet; brick, concrete and steel, asphalt and gravel roofs, steel sash, metal lath, maple and concrete floors, iron stairs, fire doors (plumbing, heating and electric work reserved). Architects have received bids.

Stores and Garage, Pittsburgh, Pa. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station. Reinforced concrete and brick, 2 stories, 145x50 feet and 45x160 feet, slag roof, steam heat-

ing, electric lighting, iron stairs, gasoline storage system, metal lath, terrazzo floors, composition floors. Owners taking bids, due March 16th. Roydhouse-Arey Co., Fidelity Building; Irwin & Leighton, 126 North Twelfth street; Baily-Lush Co., 201 North Broad street, Philadelphia, are figuring.

Cottage and Garage, Fort Washington, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Harry McAdoo, Fort Washington, Pa. Hollow tile and plaster, 2 stories, 17x21 feet, shingle roof, hot water heating, electric lighting, metal lath. Architect taking revised bids, due March 8th. The following are figuring: J. K. Frankenfield, Ambler, Pa.; C. E. Lloyd, Eighth and Sixty-sixth avenue, Oak Lane, Philadelphia, and Wm. H. Eddleman & Sons, 453 Green lane, Roxborough, Philadelphia.

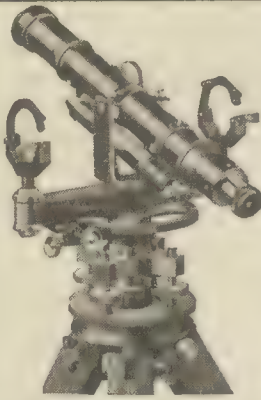
Church (add.), Williamsport, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, Trinity Church, Williamsport, Pa. Stone, 1 story, 30x40 feet, slate roof. Plans in progress.

Church and alts. to Sunday School, Harrisburg, Pa., \$65,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Messiah Lutheran Church Rev. Henry Henson, Harrisburg, Pa. Stone and concrete, terra cotta, 1½ stories, 60x100 feet, Carey's and slate roof, electric lighting, steam heating, maple floors, vacuum cleaner. Architect taking bids. Burd P. Evans Co., Thirteenth and Wallace streets, and E. E. Hollenback, Fifteenth and Race streets, Philadelphia, are figuring.

Cigar Factory, Lancaster, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Bros. Co., Third and Spruce streets, Philadelphia. Reinforced concrete and brick, 3 stories, 80x280 feet, slag roof, steam heating, electric lighting, waterproofing, elevators. Plans about completed. Architect will take bids in ten days.

Parsonage, Norristown, Pa. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Trinity Evangelical Lutheran Church, M. L. March, chairman Building Committee, Norristown, Pa. Brick and stone, 2½ stories, slate roof, hot water heating, electric lighting, tile work. Owners are taking bids.

Residences (4), Oakbrook, Pa., \$16,000. Ar-



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architect, Calvin J. Young, 520 Washington st., Reading, Pa. Owner, J. B. Schafer, Mt. Penn. Pa. Brick, 2 stories, 40x42 feet, slate roof, hot air heating, combination lighting, tile work. Plans in progress.

Picture Theatre (alt. and add.), Reading, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Gem Amusement Co., Reading, Pa. Brick, 1 story, 40x100 feet, slag roof, steam heating, electric lighting, composition and concrete floors. Architect has received bids.

Armory Buildign West Chester, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State of Pennsylvania State Armory Board, Benjamin W. Demming, secretary, Harrisburg, Pa. Brick, limestone trimmings, 1 and 2 stories, 65x80 feet, slag roof, metal lath, dampproofing (proposal band), terrazzo, marble and tile work, steel lockers (heating, plumbing and electric work separate bids). Owners taking bids, due March 13th at 9 A. M. In addition to those previously reported, John N. Gill & Co., Heed Building; F. T. Mercer & Co., 1706 Delancey street; W. W. Anstine & Co., 1218 Filbert street; H. H. Wehmeyer, 1004 Lehigh avenue; Abel Bottoms & Sons Co., 41 South Fifteenth street; Metzger & Fisher, Denckla Building; James P. Farrell & Co., Inc., 1619 Sansom street, Philadelphia; J. L. Menough, York, Pa.; Wm. H. Jones, West Chester, Pa.; C. F. Rimel, Malvern, Pa.; C. P. Shaw, West Chester, Pa.

Garage, Rydal, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, E. George Lavino, Bullitt Building, Philadelphia. Brick and plaster, 2 stories, 20x33 feet, shingle roof, hot water heating, electric lighting. Architects have received bids.

Residence, Springfield, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner's name withheld. Stone and rough cast, 2½ stories, 66x27 feet, slate roof, oak floors, tile work (heating and electric work reserved). Architects taking bids, due March 8th. The following are figuring: H. E. Grau Co., 1707 Sansom street; Thomas C. Trafford, 1613 Sansom street; M. O. Springer, 1624 Latimer street, Philadelphia; George V. Turner, Upper Darby P. O., Pa.; W. Harry Roberts, P. O. Ardmore, Pa.; Flounders Bros., Media, Pa.

Residence, Bon Air Farms, Pa. Architect, Richard Gardner, Jr., P. O. Box, Bryn Mawr, Pa. Owner, Howard Leedom, Oakmont, Pa. Hollow tile and plaster, 2½ stories, 27x35 feet, slate roof (hot water heating, plumbing and electric work reserved). Owner taking bids. George W. Deaves, Oakmont, Pa.; S. R. Haws & Son, Ardmore, Pa., are figuring.

Bakery and Apartment, Scranton, Pa., \$12,000. Architect, JoJhn B. Thomson, Connell Building, Scranton, Pa. Owner's name withheld. Frame and stucco and brick, 2 stories, 50x80 feet, slag roof, steam heating, electric lighting, waterproofing. Plans in progress.

Church, Throop, Pa., \$450,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner's St. Anthony's Polish R. C. Church, Rev. R. A. Wiesiolwski, Throop, Pa. Brick, stone and steel, 1 story, 60x130 feet,

slate roof, steam heating, electric lighting, composition floors. Architect taking bids, due March 16th. The following are figuring: M. J. Ruddy, Palumbo & Croft, Lewis Caputo and the Peck Lumber Co., all of Scranton, Pa.

Store Fronts and alt., Forrest City, Pa., \$8,000. Architects, Davey & Crowthers, Coal Exchange Building, Scranton. Owner, Henry Weiss, Forrest City, Pa. Consists of new front and interior alterations, electric lighting, composition flooring. Plans in progress.

Garage, rear 318-20 Adams avenue, Scranton, Pa., \$14,000. Architect, James A. Barrett, Connell Building, Scranton, Pa. Owners, McLoughlin Bros., Scranton, Pa. Brick and steel, 2 stories, 40x90 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, metal sash. Architect has received bids.

Twin Residences, Paoli, Pa. Architect, Newton Flounders, Media, Pa. Owner, Samuel D. Frank, Paoli, Pa. Stone and hollow tile, 45x36 feet, shingle and slag roofs, hot water heating, electric lighting. Architect taking bids, due March 8th at 5 P. M. The following are figuring: Wm. Diem, Paoli, Pa.; E. E. & A. L. Flounders, Media, Pa.; Robert Morrison, Paoli, Pa.; Wm. H. Parlamen, Devon, Pa.

Residence and Garage, Merion, Pa., \$18,000. Architects, Baily & Bassett, 421 Chestnut st., Philadelphia. Owner, Mrs. Edith C. B. Stuart, City Line and Lancaster avenue, Overbrook, Philadelphia. Stone, 2½ stories, 47x32 feet, shingle roof, tile work, metal weather strips, oak floors (heating, plumbing and electric work separate bids). Architects taking bids, due March 10th. The following are figuring: James H. Wells, Heed Building; F. B. Davis, 240 North Sixteenth street; Milton W. Young, Overbrook, Pa.; Charles C. Pace, Merion, Pa.; W. JoJhn Stevens, Wynecote, Pa.; Alfred James, Bala, Pa.

High School, Schuylkill Haven, Pa. Architect, Frank X. Reilly, 112 North Centre street, Pottsville, Pa. Owners, School District of Schuylkill Haven, I. W. Tyson, secretary, Schuylkill Haven, Pa. Brick and concrete, fireproof, 2 stories, 129x96 feet, asbestos roof, safety treads, gum wood floors, dumb waiter, metal lath, ventilators (heating, plumbing and electric work separate bids). Owners taking bids, due March 13th at 6 P. M. James P. Farrell & Co., Inc., 1619 Sansom street, Philadelphia, and Frank G. Stewart, 1619 Sansom street, Philadelphia, are figuring.

Residence, Bryn Mawr, Pa., \$7,500. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owners, Mr. and Mrs. George Souders, Bryn Mawr, Pa. Hollow tile and stucco, 2½ stories, 24x30 feet, shingle roof, hot water or vapor heating, electric lighting, oak floors, tile work. Architects taking bids, due March 15th. The following are figuring: James B. Flounders, 1329 Arch street, Philadelphia; Gray Bros., Rosemont, Pa.; Wolf & Dilworth, Bryn Mawr, Pa.; Frank H. Mahan, Ardmore, Pa.; Lansdowne Construction Co., Lansdowne, Pa.; W. Harry Roberts, P. O. Ardmore, Pa.

Residence, Lansdowne, Pa. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, C. A. a'Becket, 4821 Kingsessing avenue, Philadelphia. Hollow tile or frame and stucco, 2½ stories, 24x41 feet, shingle

roof, hot water heating, electric lighting, tile work, oak floors, metal lath. Architects taking bids, due March 15th. The following are figuring: James B. Flounders, 1329 Arch street; M. Roy Sheen, 450 North Wilton street; Harry Davis, 5100 Westminster avenue, Philadelphia, and Lansdowne Construction Co., James K. Ingram and Charles T. Moore, Lansdowne, Pa.

Silk Factory and Boiler House, Wilkes-Barre, Pa., \$110,000. Architect, George S. Welsh, Coal Exchange Building, Wilkes-Barre. Owners, Duplan Silk Co., Fourth avenue and Seventeenth street, New York City. Brick, hollow tile, reinforced concrete, 2 stories, 160x200 feet, slag and glass roof, reinforced concrete floors (steam heating and electric lighting reserved), steel sash. Plans in progress.

Silk Factory, Wilkes-Barre, Pa. Architects, Lee & Hewitt, 1123 Broadway, New York City. Owners, Sheldon & Leach, Wilkes-Barre, Pa. Brick and concrete, 3 stories, 54x113 feet, steel sash, slag roof, steam heating, electric lighting, reinforced concrete floors, waterproofing and dampproofing, skylights, elevators. Owners taking bids.

Church, Plymouth, Pa., \$18,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owners, Welsh Congregationalist Church, Rev. Boaz, Plymouth. Brick and stucco and shingle, 1½ stories, 40x100 feet, slate roof, steam heating, electric lighting, composition flooring, metal lath, dampproofing. Plans in progress.

Apartment and Stores, Hazleton, Pa., \$35,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner's name withheld. Brick, steel and terra cotta, 3 stories, 120x70 feet, slag roof, steam heating, combination lighting, hardwood and tile floors, waterproofing. Architect taking bids. The following are figuring: H. L. Campbell, G. R. Woodring and S. Y. Fredericks & Son, all of Hazleton, Pa.

Picture Theatre, West Pittston, Pa., \$14,000. Architect, T. H. Atherton, Jr., Coal Exchange Building, Wilkes-Barre. Owner, Morris N. Rice, Miners' Bank Building, Wilkes-Barre. Brick, 1 story, slag roof, steam heating, electric lighting. Revised plans in progress.

Store and Apartments (alt. and add.), Stanton and Airy streets, Wilkes-Barre, Pa. Architects, Knapp & Bosworth, 15 South Franklin street, Wilkes-Barre. Owner, Isaac Sava, Wilkes-Barre, Pa. Brick, 3 stories, 35x23 feet, slag roof, steam heating, electric lighting, plaster board, waterproofing. Owners taking sub-bids.

Church, Chester, Pa., \$75,000. Architect, Louis H. Giele, 1123 Broadway, New York City. Owners, St. Hedwig's R. C. Church, Chester, Pa. Stone, 1 story, 135x67 feet, slate roof, steam heating, electric lighting, tile and marble work. Architect taking bids, due March 9th. John McShain, 1610 North street, and Anthony Ziernicki, 1632 Hunting Park avenue, Philadelphia, are figuring.

Residence (alts.), Narberth, Pa. Architect, Samuel T. Atherholt, Narberth, Pa. Owner, Fletcher W. Stites, Crozer Building, Philadelphia. Hot water heating, electric lighting, oak floors, tile work. Owner taking bids. Loes & Dothard, Commercial Trust Building, and W. D. Smedley, Narberth, Pa., are figuring.

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PENNSYLVANIA

Contracts Awarded

Residence (alts.), Bryn Mawr, Pa. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Dr. Charles J. Jones, Bryn Mawr, Pa. Consists of interior alterations only, electric lighting, tile and marble work, metal lath. Contract awarded to Gray Bros., Rosemont, Pa.

Residence, Birdsboro, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, G. F. Handwork, Birdsboro, Pa. Brick and stone, 2½ stories, 26x40 feet, slate roof, hot water heating, combination lighting. Contract awarded to Focht & Lacy, Birdsboro, Pa.

Residences (2), Haverford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owners, Haverford College, Haverford, Pa. Stone and frame, 2½ stories, 25x40 feet each, shingle roofs, hot water heating, electric lighting, tile work. Contract awarded to Millard N. Croll, Radnor, Pa.

Residences (3), Aronimink, Pa. Architect, Edward F. Hoffman, Jr., Provident Building, Philadelphia. Owner, Edward F. Hoffman, Pennsylvania Building, Philadelphia. Two stone and frame, one hollow tile and plaster, 2½ stories, 23x35 feet, 39x25 feet, 41x23 feet, shingle roofs, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Garage, Scranton, Pa., \$18,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, V. A. Somrell, 529-31 Linden street, Scranton, Pa. Brick and terra cotta and steel, 1 story and mezzanine, 50x120 feet, slag roof, steam heating, electric lighting, concrete floors. Contract awarded to M. J. Rudy, 421 Lackawanna avenue, Scranton, Pa.

Bakery, Pittston, Pa., \$5,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton. Owner, M. Levy, Pittston, Pa. Brick and steel, 1 story, 29x39 feet, slag roof, steam heating, electric lighting, concrete

floors, 2 ovens. Contract awarded to T. F. Zenker, 1301 South Webster avenue, Scranton, Pa.

Residence, Crystal Lake, Pa., \$45,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owner, J. W. Johnson, New Brunswick, N. J. Field stone and hollow tile, 2 stories, 175x30 feet, slate roof, steam heating, hardwood floors. Contract awarded to Peter Stipp, 327 North Washington avenue, Scranton, Pa.

Picture Theatre (alt. and add.), Pittston, Pa. Architect, Percival Morris, Burr Building, Scranton, Pa. Owner, James Corcoran, Pittston, Pa. Brick and steel, 1½ stories, 25x42 feet, tin roof, steam heating, electric lighting, tile floors, waterproofing. Contract for carpenter work awarded to Wilson & Miller and mason work to David R. Davies, both of Pittston, Pa.

Picture Theatre, Olyphant, Pa., \$6,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Lewis Cohen, Olyphant, Pa. Frame and stucco, 1 story, slag roof, steam heating, electric lighting, composition flooring, waterproofing, dampproofing. Contract awarded to the Peck Lumber Co., Olyphant, Pa.

Bridge, north of Jenkintown, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway Co., Reading Terminal. Masonry and steel, 130 feet long, 24 feet wide, wood block paving. Masonry contract awarded to T. F. Reilly, Fiftieth and City Line, Philadelphia; steel work to Pennsylvania Steel Co., Steelton, Pa.

Factory, Darby, Pa. Engineers, Willard Case Co., Whitehall Building, New York City. Owners, Griswold Worsted Co., Darby, Pa. Reinforced concrete, 2 stories, 75x60 feet, reinforced concrete roof, steel sash. Contract awarded to George & Borst, 277 South Eleventh street, Philadelphia.

and stucco, 3 stories, 28x52 feet, slag roof, hot water heating, electric lighting, tile floors, waterproofing and dampproofing. Owner will take sub-bids.

Apartments (3), Boardwalk and Main avenue, Atlantic City, \$50,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owners, Seashore Land Improvement Co., Atlantic City, N. J. Brick, 3 stories, 60x45 feet, slag roof, hot water heating, combination lighting, tile floors, waterproofing, skylights. Architect taking bids, due March 14th. The following are figuring: J. V. Mathis & Son, Samuel Headley, P. G. Hanum, Leslie Porch and A. B. Bowen, all of Atlantic City, N. J.

Residence, Salem, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, J. G. Dixon, Salem, N. J. Frame, 2½ stories, 30x20 feet, shingle roof, steam heating, electric lighting. Plans in progress.

Residence (alt. and add.), Moorestown, N. J. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, E. Robert Stackhouse, Eighth and Locust streets. Frame, 2½ stories, shingle roof, hot water heating,

electric lighting, tile work. Architect has received bids.

Apartment House, Pennsgrove, N. J. Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owner, Joseph Schunder, 600 Rodney street, Wilmington. Brick, 3 stories, 28x83 feet, slag roof, steam heating, electric lighting. Plans completed. Owner taking sub-bids.

Church, Hammonton, N. J., \$14,000. Architect, W. P. Endebrock, American Mechanics' Building, Trenton. Owners, St. Joseph's R. C. Church, Hammonton, N. J. Brick and stucco, 1 story, 50x120 feet, slate roof, electric lighting, waterproofing (heating reserved). Plans in progress.

Store and Office Building, Swedesboro, N. J., \$12,000. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Ashton & Crispin, Swedesboro, N. J. Brick, 2 stories, 40x62 feet, slate and slag roof, electric lighting, tile work, metal lath, North Carolina pine floors (heating reserved). Henry L. Brown, 1714 Sansom street, Philadelphia, has contract and is taking sub-bids on all lines.

Casino, Stone Harbor, N. J., \$15,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, South Jersey Realty Co., Real Estate Trust Building, Philadelphia. Frame and stucco, 2 stories, 100x100 feet, shingle and slag roof, electric lighting, composition and maple floors. Plans in progress.

Residences (60), Camden, N. J. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Guarantee Realty Co., Broadway and Kaighn avenue, Camden. Brick, 2½ stories, 15x56 feet each, slate and slag roofs, hot air heating, electric lighting, gas lighting, tile work. Plans in progress.

Residence, Bridgeton, N. J., \$6,500. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, John Nolin, Bridgeton, N. J. Hollow tile and stucco, 2½ stories, 25x65 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Bungalow, Bridgeton, N. J., \$7,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner's name withheld. Hollow tile and stucco 1½ stories, 52x56 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residences (7), Lansdowne avenue, Camden, N. J. Architect, private plans. Owner, Harry Berman, 1125 Baring street, Camden, N. J. Brick, 2 stories, 14x42 feet each, slag roof, hot air heating. Owner is sub-letting all contracts.

Store and Apartments, Bridgeton, N. J., \$25,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Richard R. Miller, Bridgeton, N. J. Brick, 3 stories, 70x48 feet, slag roof, hot water heating, electric lighting, composition flooring. Architects taking bids, due March 10th. The following are figuring: H. H. Hankins & Bro., Grossep & Sons, Mark Williams and George Maier & Bro., all of Bridgeton, N. J.; Richman Construction Co., Moorestown, N. J.

High School, Port Norris, N. J., \$20,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, care of Mortimer Mayhew, Port Norris. Brick, 2 stories, 72x51 feet, slate roof, metal lath, fire doors, safety treads, reinforced concrete floors, gum wood floors, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due March 14th at 7 P. M. The following are figuring: James P. Farrell & Co., Inc., 1619 Sansom street; Charles D. Burns, Drexel Building, Philadelphia; L. B. Buzby, Millville, N. J.; J. B. Rowen, Moorestown, N. J.; Banks & Howell, Minotola, N. J.; Wm. H. Owen, Port Norris, N. J.; Harry Eldridge, Leesburg, N. J.; H. H. Hankins & Bro., Bridgeton, N. J.; Wm. Bradway, Port Norris, N. J.; George W. Sha-

NEW JERSEY

Construction News

Cigar Factory, Perth Amboy, N. J. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Bros. Co., Third and Spruce streets, Philadelphia. Reinforced concrete and brick, 4 stories, 80x100 feet, slag roof, steam heating, electric lighting, elevators, waterproofing. Plans in progress. Architect will take bids in about 3 weeks.

Residence, Ventnor, N. J., \$4,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Frame, 2½ stories, 24x38 feet, shingle roof, hot water heating, electric lighting and gas lighting, tile floors. Plans in progress.

Residences (4), Annapolis avenue, Atlantic City, \$12,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, E. G. Collyty, agent for owner, Atlantic City, N. J. Frame and stucco, 2 stories, 22x30 feet, slate and asphalt roof, hot water heating, combination lighting, tile floors, dampproofing. Plans in progress.

Apartment, Seaside avenue and Beach, Atlantic City, \$16,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, A. B. Bowen, 17 North Boston avenue, Atlantic City, N. J. Brick, cut stone

ner & Son, Palmyra, N. J.; W. R. Titus, Woodbury, N. J.

Residence, Trenton, N. J. Architect, Walter Thomas Mayo, Seventeenth and Chestnut streets, Philadelphia. Owner, Wm. L. All-

father, 204 Rosemont street, Trenton, N. J. Hollow tile and stucco, 2½ stories, 30x40 feet, slate roof, hot water heating, electric lighting, tile work. Architect has received bids.

NEW JERSEY Contracts Awarded

Residences (3), Chelsea, Atlantic City, \$15,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owners, Plaza Land Co., Atlantic City, N. J. Brick, frame and stucco, 2 stories, 28x40 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Contract awarded to Hampton Bros. Co., 4403 Atlantic avenue, Atlantic City, N. J.

Apartment House, Atlantic City, N. J., \$25,000. Architect, B. Ireland, Guarantee Trust Building, Atlantic City. Owner, Samuel Comly, Atlantic and South Iowa avenues, Atlantic City. Stone, steel, reinforced concrete, terra cotta, brick, 4 stories, 45x100 feet, slag roof, hot water heating, combination lighting, tile work, waterproofing, dampproofing, elevator, wire glass, skylights. Contract awarded to P. G. Hannum, 16 North Georgia avenue, Atlantic City, N. J.

Church (alt. and add.), Atlantic City, N. J., \$5,000. Architect, W. S. Shull, 200 Guarantee Trust Building. Owners, Church of the Ascension, Atlantic City, N. J. Brick, stucco and tile work, interior work, tile roofing. Contract awarded to Charles D. Thompson, Guarantee Trust Building, Atlantic City, N. J.

Factory, Trenton, N. J., \$50,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owners, Belle Meade Sweets Co., Trenton, N. J. Brick, concrete and steel, 1 story, 80x350 feet, slag roof, concrete floors, metal sash, metal lath, dampproofing, vault doors (plumbing heating, electric

work, steel stack reserved). Contract for mason work awarded to Scott & Day, Trenton. Contract for carpenter work awarded to Frederick Parker, Trenton, N. J.

Church (alt. and add.), Bridgeton, N. J., \$10,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, St. Andrew's Episcopal Church, Bridgeton, N. J. Brick, stone trimmings, 1 story, 40x76 feet, slate roof, vapor heating, electric lighting. Contract awarded to George Maier & Bro., Bridgeton, N. J.

Residence, Haddonfield, N. J., \$6,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Samuel M. Gass, Haddonfield, N. J. Hollow tile and stucco, 2½ stories, 40x30 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Wm. S. Capern, Haddonfield, N. J.

Store Building (add.), 218 Market street, Camden, N. J. Architect, private plans. Owners, Baker & Flick, on premises. Brick, 2 stories, 40x64 feet, slag roof, electric lighting. Contract awarded to Edward Kirkpatrick, 327 North Thirty-ninth street, Camden, N. J.

Cottage, Cape May, N. J., \$9,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner F. L. Harding, 6342 Drexel road, Philadelphia. Frame and stucco, 2½ stories, 26x50 feet, shingle roof, electric lighting. Contract awarded to Sherman S. Sharp, Cape May, N. J.

ward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Brick, granite and terra cotta, 2 stories, 30x67 feet, metal roof, steam heating, electric lighting, tile work, composition flooring, metal lath, dampproofing (bank fixtures reserved). Architect has received bids.

Y. M. C. A. (alt. and add.), Brunswick, Md. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore, Md. Frame, brick foundations, 3 stories, slate and composition roof, steam heating, yellow pine and composition floors (electric work reserved). Owners taking bids, due March 15th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Residence and Garage, Wilmington, Del. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Walter C. Lee, 2300 Willard street, Wilmington, Del. Hollow tile and plaster, 2½ stories, 50x70 feet, shingle roof, vapor heating, electric lighting, tile work, oak floors. Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

Administration Building, Wellesley, Mass. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Wellesley College, Wellesley, Mass. Brick and stone trimmings, 4 stories, 80x192 feet, slate or tile roof, metal casement windows, metal lath, steam heating, electric lighting. Architects taking approximate bids. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia, and Matthews Construction Co., Princeton, N. J.

Agricultural Building, Newark, Del. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware College, Newark, Del. Brick, 2½ stories, 178x54 feet; two wings, 45x55 feet and 38x78 feet, slate roof, steam heating, electric lighting. Plans about completed. Architects will take sub-bids April 1st.

Alterations and Additions

A. T. Gallagher (O), 5200 Warren street. W. D. Corrison (C), 1515 North Fifty-third street. Cost, \$550. Garage, Thirty-fourth and Hunter avenue.

H. R. Reese (O), 1203 Filbert street. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$7,000. Store, 1203 Filbert street.

Mrs. Hannah Hyde (O), 357 Lyceum avenue. H. C. Missimer (C), 532 Ritner street. Cost, \$1,000. Garage, 357 Lyceum street.

Harrison E. Moore (O), 4439 Spruce street. M. W. Young (C), Overbrook, Pa. Cost, \$500. Store and shop, Seventeenth and Sansom streets.

I. X. L. Pump Manufacturing Co. (O), 961 North Ninth street. Burd P. Evans Co. (C), Thirteenth and Wallace streets. Cost, \$1,300. Manufacturing building, 957-61 North Ninth street.

Freinds Almhouse Est. (O), 207 Walnut place. W. W. Anstine & Co. (C), 1218 Filbert street. Cost, \$1,800. Office 324 Walnut street.

William Modway (O), 4221 Locust street. West End Heating Co. (C), 4641 Locust street. Cost, \$575. Store and dwelling, 4231 Locust street.

W. S. Turner (O), 1141 Windrim avenue. Henry A. Hobert (C), 2620 East Cumberland street. Cost, \$500. Storage, 1141 Windrim avenue.

M. Tutelson (O), 232 South Darien street. H. Yacknitz (C), 1202 North Seventh street. Cost, \$4,300. Dwellings, 431-29 Spruce street.

Fox Bros. (O), 4910 North Broad street. Russell & Keffer (C), Commercial Trust Build-

(Continued on page 178.)

Miscellaneous Construction News

Residence and Garage, Guyan Court, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Victor Du Pont, Wilmington, Del. Hollow tile and stucco. Residence, 3 stories, 35x82 feet; garage, 20x30 feet, slate roof, vapor vacuum heating, electric lighting, tile work, hardwood floors, sewage disposal, electric light and water systems, metal lath, dampproofing, artesian well. Plans about completed. Architect will take bids in one week.

Apartments and Stores, Wilmington, Del., \$30,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owner's name withheld. Brick, terra cotta and steel, 4 stories, 30x70 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors, metal lath. Plans in progress. Architect will take bids in two weeks.

Residence (alt. and add.), Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington. Owner, Frank D. Lackey, Ninth and Market streets, Wilmington. Stone, 3 stories, 65x40 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors, metal lath, dampproofing. Architect has received bids.

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, Winthrop B. Wood, 2214 Gilpin avenue, Wilmington. Hollow tile and brick, 2 stories, 35x40 feet, slate roof, hot water heating, electric lighting, tile work,

hardwood floors, dampproofing. Architects have received bids.

Bungalow, Selborne, Del. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, John B. Bird, care of Joseph Baneroft & Sons Co., Wilmington, Del. Frame, 1½ stories, 70x28 feet; wings, 45x20 feet and 55x20 feet, shingle roof, electric lighting (tile work and heating reserved). Architect taking bids, due March 9th. The following are figuring: Milton W. Young, Overbrook, Pa.; H. G. Carson, 205 South Forty-second street, Philadelphia; John E. Healy & Son, 707 Tannall street, Wilmington; W. D. Haddock & Co., 804 Orange street, Wilmington; J. M. Burns, West Chester, Pa.

Post Office (interior finish), New Haven, Conn. Architect, James Gamble Rogers, 470 Fourth avenue, New York City. Owners, U. S. Government, Treasury Department, Washington, D. C. Metal lath, marble and tile work, kalamein doors, metal weather strips, vault doors, safety treads, dampproofing. Owners taking bids, due March 21st at 3 P. M. Charles McCaul Co., 1713 Sansom street, Philadelphia, are figuring.

Residence, Scarsdale, N. Y. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Wm. Haag, Albany, N. Y. Hollow tile, 2½ stories, 40x50 feet, slate roof, electric lighting, hardwood floors, heating not decided. Plans in progress.

Bank Building, Laurel, Del. Architect, Ed-

Bell Phone, Spruce 6612. Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDERS' GUIDE

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Irving Dillon.....Editor

PHILADELPHIA, PA., MARCH 8, 1916.

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Editorial Comment

Building prosperity in Philadelphia shows no sign of abatement. According to statistics vouched for by the Bureau of Building Inspection, we are entering upon what promises to be another record year in building activity. While the number of permits issued during January and February is fewer than during the corresponding months of 1915, the increase in the cost of operations is about \$1,000,000 over last year.

February of 1906 was the best February in ten years, with a total of more than \$3,000,000 expended. February of 1915 was the second best, with an expenditure of \$2,600,000. February of 1916 is a good third, with a total of \$2,437,750.

Admitting that a considerable percentage of this increase is due to the advance in price of building materials, the volume of prospective work in the architects' offices, considered in connection with the amount of actual new work on the builders' boards, goes to show that 1916 is destined to maintain Philadelphia's recognized supremacy as a building center.

* * *

At a recent meeting, held in New York City, the avowed object of which was to discuss means for "bringing art closer to the people," opinions were expressed by men of prominence in the arts that are disconcerting to say the least. Cass Gilbert, the noted architect, who was one of the speakers, defended vigorously the poor man's appreciation of art and incidentally took a decided fling at art as exemplified by the Federal Commission.

"The Government has spent \$500,000,000 on what was classed as art. The work was done without expert advice, and the result is that the work is contemptible. You can't build artistic Government buildings with a rubber stamp."

Then came Cabot Ward, and, in closing his remarks he thundered:

"City Hall Park would resemble a corner of Woodlawn Cemetery if every one who wanted to was allowed to put a monument there."

The only neutral was William T. Evans, chairman of the Art Committee of the Lotos Club.

"Art museums are better than hospitals," he said. "Hospitals make sick men well. Museums make well men better. Art is a luxury for the rich and a necessity for the poor."

* * *

Few of the speakers agreed, as the brief excerpts from their addresses here reprinted go to show:

"The American people have less regard and appreciation for art than any other people."—Edward F. Cragin, president of the New York Finance and Securities Company.

"Americans are great lovers of beauty and take the greatest interest in art."—Edward Robinson, director of Metropolitan Museum.

"The poor people are kept away from art and misled by the mediocre and poor works of art in the parks of the city—some of them are monstrosities."—Cabot Ward, Park Commissioner.

"I do not know of any country which appreciates art like America, and I lived in Paris ten years. Every child in America is familiar with art through the magazines and newspapers."—A. A. Anderson, artist.

"Persons who live in dark rooms cannot appreciate art."—Grosvenor Atterbury.

"The museum is the poor man's gallery, and 90 per cent. of those who use the museum have less than the average income."—Cass Gilbert, architect.

* * *

By way of rejoinder to this clattering of individual opinion, we can think of nothing more appropriate than a few paragraphs from a talk delivered by Joseph T. Pearson, winner of the \$1,000 Stotesbury prize and the Temple gold medal, at the Academy of the Fine Arts on Thursday of last week. Said Mr. Pearson:

"As the artists have cut their hair and shortened their ties, so I would abbreviate all reference to art. Let us have less talk regarding art and more art.

"Remember, art is the song of a people's heart, and songs with heart in them make glad the world.

"From the time that man emerges from this earth until he is returned to it, he is the centre of contending forces of good and ill. The cold threatens him and he is warmed. Hunger seizes him and he is fed. Darkness endangers him and his way is lighted. Ignorance would destroy him and he is educated. Through manifold influences, positive and negative, he stumbles on until the end seizes him unawares.

"If one could set down the story of the humblest life from childhood to old age, fully and perfectly, there would be no need of art. All would have been said. But man remains an enigma and the science of his revelation is art.

"Artists are the official interpreters of life. They are of the people and are responsible to the people. The people you see are really the artists, and the artists but their implements. The artist is part of a great social scheme. He is not his own master; he is responsible to his fellows. Approval or disapproval comes from them, and their judgment is final and right. The real artist understands this, and he labors in plain view of his fellows—in the open—without subterfuge. He faces the truth boldly and affectionately, and men love him and cherish his memory.

"The artist plays a part now great, now small in the life of the people. He is a wel-

come member of the company when he is good and unwelcome when he is bad. Does the company know whether he is good or bad? Yes. Its judgment is as sure as fate. The artist himself cannot be depended upon to know. He quite naturally cannot see himself. He must be advised. So now we have it. The artist is a good or bad actor in a large company which establishes his reputation by inevitable laws which he will call public opinion."

* * *

Gutzon Borglum, the noted sculptor, who has been engaged to convert Stone Mountain, near Atlanta, into a mammoth and everlasting memorial of the Confederacy, has just made public his plans for the vast monument.

The outline of his plans may be prefaced by the statement that the movement to establish such a memorial is the work of the United Daughters of the Confederacy. Stone Mountain is a vast block of granite about 12 miles from Atlanta. It is one mile from base to summit upon its approachable side. The other side is a perpendicular plane some 700 feet high and several thousand feet long. It is upon the face of this plane, which may be seen for miles, that Mr. Borglum plans to carve the figures which will form the memorial.

He has outlined his plan as follows:

"The plans which I have developed, and which have received almost national approval, contemplate a large central group, located about midway toward the top, and includes five to seven equestrian figures representing Lee, Davis, Jackson and such other members among the general commanding officers as the committee may designate. Back of this group, about 200 feet, will appear a larger group of mounted general officers, portraits of such men as the committee may designate. To the east and on the face of the mountain, slightly above and to the right of Lee, will appear a section of the army coming down over the mountain and will contain infantry, cavalry and artillery.

"Directly under the central group at the base of the mountain I have planned to create within the mountain side a memorial hall, dedicated to the women of the Confederacy. This hall will be lighted by windows to the number of Confederate States, and when done will be dedicated to the Daughters of the Confederacy, to be placed in their custody forever. The gift of the property and documents covering the transaction, arrange for the final possession of the memorial by the State of Georgia.

"My plans are such that the work can be begun within a few months, and the main central group will be the first to be undertaken. When this is completed the great hall below will be finished next. It is my determination that the two parts of the general plan shall be completed within the next three years, and it may be possible to do it in less.

"Arrangements are also under way for the building of the studio directly opposite the

mountain, and in front of the work to be carried out. This studio will be a permanent building of granite, where all the models for the work will be made. The work itself will be done from scaffolding suspended from the top of the mountain."

* * *

In connection with the New York "Sun's" competition for plans for a house to cost not more than \$4,500, full details concerning which were printed in last week's "Guide," we are moved to note a letter the "Sun" publishes from a land developer interested in the outcome of the contest.

"Our people," he writes, "have been so fed up on high class architecture that though they are able to spend say \$7,000 on their homes they demand as much of the artistic as the man who can afford to pay much more. That is as it should be. I do not believe that attractiveness and comfort should be reserved for those alone who can pay high prices for them. It is the right of every man who spends his money on a home to demand an economically, artistically planned, durable building.

"If we had more men who could plan attractive, low priced houses we would have more home owners. Many people will not buy to-day because they cannot find satisfactory houses for prices they are willing to pay. These people do not want everything for nothing, but they do demand well planned houses."

Another land promoter who is watching the competition with keen interest expresses the conviction that the architects who have a solution for the moderate priced home problem need not worry about the future for their field is practically the entire country.

* * *

That the city's failure to keep pace with improvements made by private enterprise holds back development was brought to the attention of Philadelphia's Mayor recently by a delegation of operative builders, headed by the president of their association, Harry Brocklehurst.

The builders pointed out to the Mayor a condition which has existed years—the failure of the city to extend main and branch sewers into territory where development waits only for their construction. They asked that money for this purpose be included in the next loan to be submitted for the approval of the city's voters, at the same time calling attention to the fact that the builders of Philadelphia added about \$40,000,000 to the taxable value of Philadelphia's real estate last year.

It came out in the discussion of the matter that sewers, involving an outlay of about \$300,000, have been planned, but their construction is held up, because there is no money available to build them.

In times past builders have put in sewers under the supervision of the city, paying the cost of construction themselves, and awaiting the sale of the houses they build to reimburse themselves for the outlay. The cost of sewer construction is apportioned pro rata,

according to frontage, among the houses, this charge being a first lien against each property, regardless of whether the sewer has been built by the city or by the builder. It is the opinion of the builders, however, that they should be relieved by the city of the necessity of constructing sewers, and that some effort should be made by the municipality to keep pace with improvements without private aid.

MORE OR LESS PERSONAL.

**G. Edward Brumbaugh, son of Governor Martin G. Brumbaugh, has opened an office for the practice of architecture at 1224 Real Estate Trust Building, and will be pleased to receive samples and literature.

**The Steward & Stevens Iron Works has purchased additional properties at 1718, 1720, 1722 North Ninth street for yard space, crane sheds, etc., enlarging their facilities for structural iron work. The firm reports an immense increase in its business.

TO LIMIT TALL BUILDINGS.

The tentative plans of the new Building District Commission of New York City, as far as they have become known, seem to have as their first object the future elimination of tall buildings. A conference among property owners, real estate men and city officials was recently held in that city, at which the plans were discussed and at which it seemed to be the consensus of opinion that the limitation of the heights of buildings and districting of the city into zones will do much to stabilize property values, while proper city planning will accomplish a great deal of good for general real estate conditions. In this manner the shifting of property values will be prevented.

With respect to the limitation of the heights of buildings, the building experience in New York has conclusively demonstrated that the erection of mammoth buildings causes adjacent property to depreciate in value and deprives the smaller buildings of tenants. Unrestricted building has been detrimental to both small and large property owners, so that if real estate owners will not conserve their own interests by moderation, it is necessary that, in the interests of the community as a whole, certain restrictions be established.

Advertise and the world buys of you;
Renig, and you need a loan.
If you never tell what you have to sell,
You'll have troubles all your own.
— 'Los Angeles Evening Herald.'

Graham-Campion Co.

DEPENDABLE

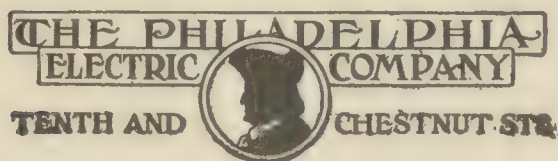
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ALTERATIONS AND ADDITIONS

(Continued from page 175.)

ing. Cost, \$2,000. Store and dwelling, Broad and Rockland streets.

Pedricks Tool and Machine Co. (O), 3640 North Lawrence street. Stewart Bros., 2526 North Orkney street. Cost, \$2,300. Shop, 3638 North Lawrence street.

A. R. Morris (O), 5120 North Camac street. H. C. Zrugroff (C), 2527 North Seventh street. Cost, \$1,000. Dwelling, 1502 North Nineteenth street.

Josephine Barbreri (O), 1219 Peter street. Gamillo De Paul (C), 1219 Peter street. Cost, \$400. Dwelling, 1219 Peter street.

Lawrence & E. Rinaldo (O), 6400 Vine street. George J. Clarke (C), Sixth and Spruce streets. Cost, \$425. Store and dwelling, 6404 Vine street.

B. J. Winkler (O), 1463 Myrtlewood street. Frank I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$380. Store and dwelling, 1453 North Twenty-ninth street.

J. J. Greenberg (O), 309 Morris Building. B. Bornstein (C), 1510 North Franklin street. Cost, \$3,500. Store and dwelling, Broad and Dauphin streets.

Davis Bros. (O), Twenty-ninth and Bristol streets. C. E. Lloyd, Jr. (C), Oak Lane, Philadelphia. Cost, \$425. Shed, Bristol and King streets.

P. F. Glynn (O), 32 West Highland avenue. John E. Walt (C), 204 East Willow Grove avenue. Cost, \$5,358. Garage, rear 32 West Highland avenue.

C. O. Struse & Sons (O), Walnut lane and Main street. Cost, \$1,500. Manufacturing Building, Algon street and Philadelphia and Reading Railroad.

Philadelphia Press (O), Philadelphia. Jas. N. Mitchell (C), Forty-sixth and Market streets. Cost, \$350. Office building, South Penn Square and Juniper street.

John H. Bromley (O), Front and Lehigh streets. George A. Stewart & Co. (C), 2123 Germantown avenue. Cost, \$300. Dwellings, 2205-07 North Mascher street.

A. W. France (O), Tacony. John F. Davies (C), 1117 Foulkrod street. Cost, \$3,000. Store and dwelling, 3506-08 Longshore street.

Catherine Bevan (O), Fifteenth and Erie avenue. McLaughlin & McNamara (C), 3973 Elset street. Cost, \$450. Store and dwelling, 4377 Germantown avenue.

Herman Dercum (O), 5844 Overbrook avenue. M. W. Young (C), Overbrook, Pa. Cost, \$1,000. Dwelling, 5844 Overbrook avenue.

Philadelphia Steel and Forge Co. (O), Milnor and Bleigh streets. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$500. Crane, Milnor and Bleigh streets.

American Ice Co. (O), Sixth and Arch streets. Clark Paving Co. (C), Forty-eighth and Woodland avenue. Cost, \$540. Wall, Fifty-third and Whitby avenue.

H. J. Rittenhouse (O), Fifty-third and Vine

streets. James M. Holm (C), 5556 Arch street. Cost, \$3,000. Store and dwelling, 647 South Sixtieth street.

Blauners, Inc. (O), 833 Market street. Fleischmann Const. Co. (C), 11 West Forty-fifth street, New York City. Cost, \$75,000. Store, 833 Market street.

G. Leonardi (O), 1847 Sartaire street. Alfonso Peli (C), 1209 South Thirteenth street. Cost, \$360. Dwelling, 1847 Sartaire street.

James McWinamon (O), northwest corner Twenty-third and Fairmount avenue. John Welsh (C), 738 North Seventeenth street. Saloon and dwelling, Twenty-third and Fairmount avenue.

WHEN THE WAR IS OVER—WHAT?

Current Events Portend a Continuous Construction Period—Reasons Why Building Prosperity Is Felt

Construction in 1916 and 1917 promises to be without parallel. Finance, credit and the remarkable condition of the building material market prove the presence of prosperity. The improving demand for rentable space establishes its foundation, and the most gratifying feature about it is that it is general and not merely local.

The story of the depression existing prior to August of this year is too well known. Few realize what has been happening in the last five months. From January 1, until the huge credit of half a billion dollars was established in this country for the Allies, practically every industry associated with building construction was being operated on reactionary bases. Whether the extension of credit to America's biggest customer was ethically or morally right or wrong, the fact remains that August showed a resumption of 13.7 per cent. over plan lings for August of a year ago, September showed a gain of 30.5 per cent. over the same month last year, October developed a gain of 37.9 per cent. over the identical month of 1914 and November developed a gain of 55.5 per cent. in national plan filings. In each case New York showed improvement.

There is not the slightest doubt that the initial impetus to the improvements in national building construction was due to the demand on the part of mills catering to war supplies for more room. The city of Bridgeport, Conn., added 22,000 skilled artisans to its population in a few months and erected under forced conditions new factory buildings aggregating almost \$3,000,000 in value. This is only one typical New England manufacturing city.

It is estimated that \$2,000,000,000 has been paid out in wages and additional building costs, machinery and supplies directly traceable to war munitions and manufacture of equipment since January, 1915. This money has passed through the hands of a large percentage of the 16,613 architects, 174,422 build-

ers and building contractors, 135,000 electricians and electrical contractors, 14,514 mechanical engineers, 52,033 civil engineers and 17,000 building material manufacturers, making a general distribution of 409,382 employers, who, after taking their profits, have passed a liberal share on to labor, which has been accorded higher wages and shorter hours.

Normal national value of annual production of building materials exclusive of equipment totals \$1,495,544,120. Government authorities estimate that this year's total will be extended to \$2,500,000,000, at least.

If that fact develops, it will be easy to see why there is a mill shortage of building materials at this time. This demand, as has been stated, began only in August. Prior to that period every manufacturer was suffering from shaded prices and keen competition. Sick of the routine work of making standard building commodities for little or no profit, they reduced expenses by shutting down their capacities from thirty to seventy-five per cent.

Labor is better employed than it has been in seven years. There is an actual shortage of unskilled labor. The salaried staffs of large corporations released because of the depression in many lines a half year ago are now in employment. New help has been taken on. Savings bank accounts are being added to instead of being withdrawn. This has released money for building mortgages and building operations.

The Bigger Side.

But there is a bigger side to it, namely, that relating to large mercantile expansion and its ultimate effect upon building demand.

There is not the slightest question but that renting conditions are improving in all the leading cities. Here in New York there is a demand for loft and office space that is changing the policies of renting agents. Concessions are not now so easy to obtain. Firms that closed their offices and took their executive departments to out-of-town mills to

cut down expenses are opening in New York again, and in many cases are taking larger space. Idle space in the old wholesale district is being taken up by manufacturers as storage places to make way for munition work that brings a high immediate profit. The stored goods awaiting order here will avoid risk of railroad cluttering next spring or after the war.

Every contractor and building material interest is wondering what effect a sudden termination of the war will mean. Conjecture is running rampant. Some predict panic. Others predict retraction. Others confidently look for uninterrupted prosperity.

Based upon economic cycles, we are in line for at least the usual seven fat years following seven lean ones. But placing prognostication upon more concrete material it might be stated that the saving factor and the most positive agent in assuring permanence of prosperity is that few lines are over-produced. Here was the danger in 1909, and it was the stumbling for the embryonic prosperity of early 1912. Everybody had an abundance of manufactured materials and were ready to sell them at a discount.

Optimism the Rule.

To-day the opposite is the rule. Nobody, either now or after the war ends, should peace be declared between now and August, can or will be able to afford to sell even at basic prices ruling in 1912. It will not be possible to manufacture to excess because labor is already too scarce. The objection that the termination of the war will release large numbers of mill hands is set at naught by the fact that all war contracts are taken for a given number of years, mostly three, regardless of whether the war continues or not, and upon the termination of these contracts the United States Government will take care of war munitions output for a number of years in line with its pledged preparedness program. Imports will be offset by an increased export business in lines, notably cement, magnesite block, special building hardware, steel, iron and other products, thus keeping up a demand for commodities at home, especially if there is suitable tariff protection enacted to help insure our own industrial welfare.

Machinery the Keystone.

The national keystone in the arch of prosperity is machinery. It holds full control of the future industrial welfare of this country. Every machine shop of consequence has its capacity taken up to varying months in 1917. The manufacturer who would attempt to put in labor-saving machinery this year will find it almost impossible to get the equipment he wants. This will keep his output low, prices high and labor well employed.

With this condition obtaining there is no need for worrying about the permanency of the growing prosperity. It does not hinge upon the war. It centers, more than upon any other thing, on the enactment of the \$1,230,000,000 preparedness program, the passage of a suitable merchant marine bill and proper protection for American industries against

the dumping by Europe upon our shores of unmarketable products that have been in storage since the war began.

The inflow of gold is not likely to stop even after the war ends. But America is now not independent upon that avenue of financial sustenance. Foreign credits are excellent. They have helped to bolster up conditions here, but the weight of responsibility for future prosperity and future good building conditions centers upon our success in obtaining an export market for our own products. If we are to have an adequate merchant marine our prosperity is permanently assured.

Financiers who are in position to know say that money has been made as fast in the last seven months in financial circles as it was lost earlier in the year and immediately following the outbreak of the war. This means a good demand for securities. A good demand for securities means a healthy mortgage market. High mortgage rates attract capital and mean that commercial and residential renting space is in good demand, and when that is the case building proceeds at a pace that considers neither the high cost of materials, the ascending price of realty, but only the finished structure with prosperous tenants within.—“New York Real Estate Record.”

BUILDING CODES HERE AND ABROAD.

The recent publication in Scotland of what is there popularly termed “a national building code” serves to illustrate how different from the American idea is the conception in other lands of what a building code should be. In the notices of the work which have appeared in the Scottish press doubt is innocently expressed if anything quite so ambitious in relation to building has been previously attempted on a national scale in any country. On examination this Scottish national building code is found to be entitled, “Regulations for entering into and carrying out contracts for building works in Scotland, together with general conditions of contract and form of contract.” Its stated object is to ensure uniformity of practice in entering into and carrying out contracts for building works from the preparation of the schedule of quantities on which the contractor's tender is based to the payment of the final balance. It does not, this code, undertake to direct, as our codes do, the manner in which buildings shall be constructed, as it does not have the status or possess the force of parliamentary law, being the product merely of a convention composed of members of the national architectural and building societies.

A prefatory note by Sir G. R. Askwith, who was the chairman of the convention, explains that these “general conditions” of contract for ordinary use have been drafted upon the basis that it is essential to provide (1) that the drawings and specifications shall represent the work to be contracted for and shall not be taken merely as showing what is at present contemplated or intended, subject to such modifications and alterations as may be hereafter made; and (2) that the sum

which shall become due to the contractor on completing the works embodied in such drawings and specifications shall be fixed as far as practicable before the contract is entered into.

The architects and builders of Scotland evidently live in a little world all their own, with their building laws and practices in a primitive state. Scotland, with only half the population of the State of New York, of course never heard of our State codes for regulating the construction of tenements, factories and mercantile buildings. It seems that in Scotland they are trying to establish what is and has been from time immemorial, the practice in America on contract work. The drawings and specifications have always, with us, been the basis of the contract, which has invariably specified either the lump sum or the percentage above cost, which the contractor is to receive for his work. On the authority of a British contemporary, it can be said that the secret of the trouble they have been having in Scotland over the performance of building contracts springs out of their practice of making bills of quantities or measurers' schedules part of the contract, because too often the computations are inaccurate.

But such matters as these have no part in a real building code. Two eminent examples of the American idea of the function of a general building code have been recently produced here, one being the official New York City code, of which R. P. Miller, C. E., was chief editor, and the other the model code of the National Board of Fire Underwriters, of which Prof. Woolson was the chief editor. Neither considers it necessary to attempt a regulation of matters so well settled as forms of contract, and confines itself solely to rules for sale and good construction, a course which the codes of our principal American cities have always persisted in and which has resulted finally in the highest perfection of building laws as well as of building construction.

A dinner in Mr. Miller's honor given by the joint committee on City Departments recently was a pleasant celebration of the successful completion of the new revision of the New York City code, and a proper recognition of a meritorious public service.—“Record and Guide.”

COMPETITIONS FOR PRIZES OF ROME FOR THE PRESENT YEAR.

The American Academy in Rome announces its annual competitions for the Prizes of Rome in architecture, painting, and sculpture, which take place annually. The next competition in landscape architecture takes place in 1918. The awards are made on competitions which are open to all unmarried men, citizens of the United States, without age limit, who fulfill the requirements and agree to comply with all regulations. Applications must be filed not later than March 1, together with such letters of reference and other documents or evidence of ability as applicants may desire to submit. The stipend of each Fellow will be \$1,000 a year for three years. The

preliminary circular of the Academy may be had from the secretary, C. Grant La Farge, 101 Park avenue, New York, giving all the general and special regulations and blanks for applications.

IMPROVING HOME GROUNDS.

Make your home surroundings beautiful by following the laws of order and simplicity is the keynote of a bulletin on home grounds which has just been published by the New York State College of Agriculture at Cornell.

Beautiful grounds may be obtained without a lavish expenditure of money and without a sacrifice of convenience. Since the house is the centre of all home activities, too much attention cannot be given to its location. If possible, the house should be set slightly above the land immediately surrounding it, but not too high; see that the view from the windows of the rooms most used are the best ones to be obtained from your particular location.

Select your type of house with a view to making it fit in with its surroundings. A smoothly graded lawn is more easily mowed, as well as more beautiful. Lawns should be kept clear of flower beds and also of many single trees and shrubs. A little planting along a house, some large trees, with most of the plantings along the boundaries, looks best. Unsightly objects that are necessary may be covered up with planting.

Do not chop up your grounds with paths, says the bulletin. Lay out walks with a purpose, that purpose being to make them lead somewhere, without cutting across a grass plot or spoiling the general appearance of a lawn, and then make them beautiful with shrubs and trees that lend themselves to such uses. Oftentimes these shrubs and trees may be of a fruit-bearing type, thus serving a two-fold purpose.

In the bulletin published by the landscape authorities of the college of agriculture are diagrams showing the proper arrangement of home grounds in relation to the house and outbuildings, and a classified list of trees, shrubs, and flowers. A general description of each plant and tree is given, from which selections can be made with an intelligent conception of the general appearance of the tree or plant, its height, its foliage, its blossoms, if it has any, and its habits.

A copy of this bulletin may be obtained by any resident of the State on application to the New York State College of Agriculture, at Ithaca, N. Y.

HOW CAN ENGINEERS BEST UTILIZE THE TECHNICAL JOURNALS?

That we cannot keep abreast of the times without reading the engineering journals is obvious. That if we carefully read all the engineering journals in our chosen specialty we would have no time left to earn a living is easily capable of demonstration. What then is the proper attitude to adopt toward this ever increasing flood of information that pours in upon us so relentlessly, week after

week, month after month, and year after year?

What shall the reader do with his special selection, from his technical journal, when once he thinks he has separated them from the flood of raw material?

Several courses are open to him:

1. He may rely on his memory and the published index to his bound volumes.

It is safe to say, however, that few engineers really make much practical use of this method. The intervening index and the bother of a search following, prove to be discouraging to that degree that a proposed reference search is abandoned in about one-half the suggested attempts. The ideal filing system is the one in which, with the least amount of effort, one can put his hand immediately and accurately on the thing itself, be it a book, a pamphlet, or a data sheet.

2. He may keep a special card index of important data, and reference to valuable articles. This at once involves labor and attention, which few busy men can give, and which, if done by assistants or librarians, largely loses its personal value to the one who needs it. The same objection as to the discouraging effect of intervening indexes holds good here, too, and it is further safe to say that of all the contrivances for indexing, the most difficult to readily handle and rapidly examine is the card index system.

3. He may abstract important data in a limited way on loose leaf transparent paper, standard letter size, and he may remove or detach articles of special value from out his journals, to be filed in regular office file system, like correspondence.

The writer has tried all of the above methods at considerable cost in time and patience, and has, for many years, settled upon the third method above outlined. With all its admitted limitations it seems to be the best for an office which is expected to find out information on a great variety of subjects in a limited time, and with the least amount of effort.

Some description of its practical workings may be of interest here.

All the technical papers of the office pass on to the desk of the head of the office and are at least looked over (not read) by him. Articles important to his particular specialty are checked with pencil, and articles of especial interest are looked over with care and double checked. Once in a long while data important enough to go to the data file is noted. This is either especially abstracted by the stenographer, or, if a diagram or cost data, perhaps traced in the drafting room; all on transparent paper for copying purposes. Special data of this kind on 8½x11 inch sheets is filed in the office data file (a separate but common standard correspondence file). From the data file loose leaf working notebooks are made up from blue prints for office or travel purposes. They are altered, refilled, amended, and sorted back from time to time as needed to keep them of usable volume and usefully up to date.—John W. Alvord before the Federation of Trade Press Associations.

SOME THOUGHTS ON SAFETY FIRST.

A ladder is one of the most dangerous things in the world.—A. E. Davidson.

The stigma resulting from carelessness clings to the official as well as the men.—George Shepherd.

All danger places must be made foolproof if the greatest percentage of accidents is to be eliminated.—J. D. James.

A thoroughly organized and drilled private fire department is an invaluable and indispensable aid in a campaign fire prevention and protection.—L. A. Phelps.

Show your employees that safety activity is in their interest. Once they realize this they will say, "This business is my business; I would like your co-operation."—Alexander Shane.

The bonus system is a powerful lever in making the men apply themselves more diligently and with intenser interest to the prevention of fire.—J. B. Ayres.

Children are not the only ones who play with fire. We live in houses veneered both inside and out. Looks count more than trinsic worth.—Dr. H. C. Campbell.

A man not confident of his ability to get out of the building in case of fire gets beyond control does not usually make the best of fire fighters.—J. E. Latta.

Two-thirds of the reduction in the number of accidents has been accomplished through organization and education, through teaching the workmen and securing their co-operation.—C. M. Price.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 23, 1916.—Sealed proposals will be opened in this office at 3 P. M. March 27, 1916, for a conduit and wiring system and lighting fixtures for the pure food and drug laboratories, at the United States appraiser's stores, New York, N. Y., in accordance with drawings and specifications, copies of which may be had at this office or at the office of the Supervising Chief Engineer, U. S. Customhouse, New York, N. Y., in the discretion of the Supervising Architect. O. Wenderoth, Supervising Architect.

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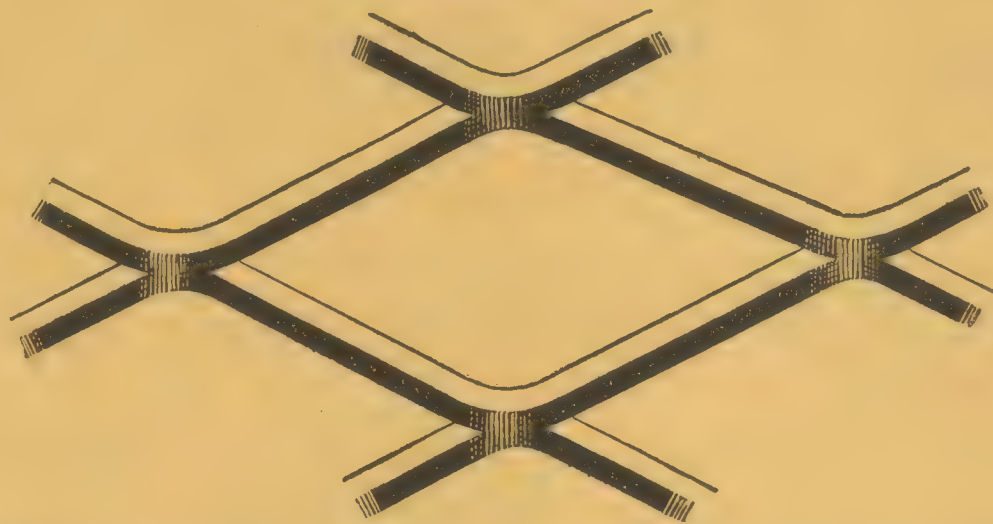
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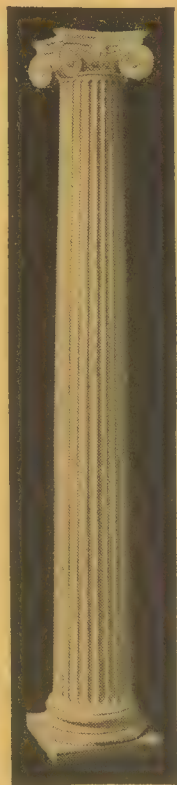
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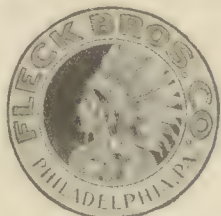
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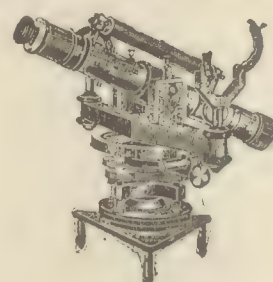
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Vol XXXI., No. 11.

PHILADELPHIA, WEDNESDAY, MARCH 15, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store Front, 1524 Chestnut street, Philadelphia. Architect, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Weightman Estate, on premises. Lessees, Browning, King & Co., on premises. Oak floors, tile and marble work, cabinet work, metal ceilings, metal lath (electric work reserved). Architects have received revised bids.

Factory Building, Fifty-fourth and Paschall avenue. Architect, J. C. Fernald, 5533 Wyalusing avenue. Owner, Joseph K. Marshall, 8 South Fifty-second street. Brick, 1 story, 50x150 feet, slag roof, steam heating, electric lighting. Owner taking bids as soon as possible. I. T. Shoemaker, 1309 Walnut street; Bailey-Lush Co., 201 North Broad street; H. E. Baton, Twelfth and Sansom streets; Ketcham & McQuade, 1029 Brown street; James M. Holm, 5556 Arch street, and Sutton & Stephenson, 1317 Washington avenue, are figuring.

Tapestry Mill, Fifty-third and Westminster avenue. Architect, J. C. Fernald, 5533 Wyalusing avenue. Owner, Joseph K. Marshall, 8 South Fifty-second street, Philadelphia. Brick, 2 stories, 50x163 feet, slag roof, steam heating. Owner taking bids, due as soon as possible. I. T. Shoemaker, 1309 Walnut street; Bailey-Lush Co., 201 North Broad street; H. E. Baton, Twelfth and Sansom streets; Ketcham & McQuade, 1029 Brown street; James M. Holm, 5556 Arch street; Sutton & Stephenson, 1317 Washington avenue, are figuring.

Laboratory (alt. and add.), York road and Tabor street. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Jewish Hospital, on premises. Brick and terra cotta, additional story, on present two-story building, 51x31 feet, slate roof, metal lath, yellow pine floors, dampproofing (heating and electric work reserved). Architects have received bids.

Factory Building, Keystone and Cottman streets. Engineer, Harry C. Eisenbise, Pennsylvania Building, Philadelphia. Owners, E. H. Gilmer Co., 52 North Seventh street, Philadelphia. Brick and concrete, 2 and 3 stories, 50x100 feet, slag roof, maple floors, metal sash (heating, plumbing, electric work and elevator reserved). Owners have received bids.

Store and Apartment (alt. and add.), 1327 South Second street. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, J. Brodie, on premises. Brick, 2½ stories, 14x100 feet, slag roof, interior metal columns, wall safe, metal ceilings, hardwood floors, tile and marble work. Plans about completed. Architect will be ready for bids in a few days.

Garage and Service Building, Twenty-third, Twenty-fourth, Walnut and Locust streets. Engineers, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owner, John Wanamaker, Thirteenth and Market streets, Philadelphia. Reinforced concrete and brick, 1 and 4 stories, 110x336 feet and 139x119 feet, slag roof, steam heating, electric lighting, elevator, metal sash, dampproofing. Plans in progress. Engineers will take sub-bids in three or four weeks.

Residence, Shawnee avenue, Chestnut Hill, \$20,000. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, Mrs. J. H. Howe, Chestnut Hill, Philadelphia. Stone, 2½ stories, 42x45 feet, slate roof, electric lighting, oak floors, tile work (plumbing and heating reserved). Architects taking bids, due March 20th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; Pringle Borthwick, 8018 Germantown avenue; Wm. H. Carr, 5911 Germantown avenue; George S. Roth & Sons, 230 East Gravers lane.

Blacksmith Shop, Second and Glenwood avenue. Engineers, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Atlas Ball Co., on premises. Brick, 1½ stories, 120x28 feet, slag roof, steel sash. Builders, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia, taking sub-bids, due March 15th.

Residences (32), Garages (32), Sansom street, Forty-seventh to Forty-eighth street. Architect, private plans. Owner, Nathan Raidman, 5208 Walnut street. Brick, 3 stories, 16x56 feet, slag roof, hot water heating, combination lighting, hardwood floors, showers and tile bath rooms. Owner is ready for sub-bids.

Bridge, Walls, etc., Cheltenham avenue. Engineer, A. C. Shand, Broad Street Station, Philadelphia.

Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Consists of concrete brick, stone walls, etc. Owners received bids March 15th.

Church (remodeling), 5331 Pulaski avenue. Architects, Druckenmiller & Williams, Land Title Building. Owners, Faith Presbyterian Church, Rev. R. H. Armstrong, 220 West Coulter street, Philadelphia. Brick, plastered, 1 story, 19x80 feet, tin roof, steam heating, electric lighting. Plans in progress. Contract will probably be awarded without competition.

Factory, 113 and 115 North Broad street, Philadelphia. Architect, Max Haupt, Drexel Building, Philadelphia. Owners, Louis Brody & Co., 121 North Second street. Brick, 5 stories, 44x51 feet, slag roof, steam heating, electric lighting, elevator. Architect taking bids.

Machine Shop, 4947 Fairmount avenue. Architect, private plans. Owner, Abner H. Mershon, Land Title Building, Philadelphia. Brick and steel, 3 stories, 45x111 feet, slag roof, steam heating, electric lighting, elevator, re doors, concrete floors. Builders, Fidelity Construction Co., Heed Building, Philadelphia, taking sub-bids.

Residences (29), Garages (5), Fifty-ninth and Locust streets. Architect, private plans. Owner, Louis Swerdloff, 5208 Walnut street. Brick, 2 stories, 12 16x72 feet, 12 16x32 feet, 5 18x70 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owners taking sub-bids.

Garage, 3430 Reach street, Philadelphia. Architect, C. Theodore Biswanger, 411 Walnut street, Philadelphia. Owner, Jacob Kunz, care of architect. Brick, 1 story, 31x80 feet, slag roof, roof ventilators (cement work and electric work reserved). Architect taking bids, due March 15th. George Hogg, 1634 Sansom street, Philadelphia, is figuring.

Fraternity House, 217 and 219 South Thirty-sixth street, Philadelphia. Architect, private plans. Owners, Alpha Chi Rho Fraternity, 113 South Thirty-seventh street, Philadelphia. Brick, limestone trimmings, 3 stories, slate roof, vapor vacuum heating, electric lighting. Plans completed. Builder,

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take sub-bids on all lines.

**Residences (1,000), Oregon, Johnson, Ninth
to Twelfth streets. Architect, private plans.
Owners, Abe Kolsky & Co., 730 South Fifth
street, Philadelphia. Brick, 2 stories, 16x50
feet, slag roof, hot water heating, electric
lighting. Plans in progress. Owners will take
sub-bids in three weeks.**

**Factory (alt. and add.), 147 North Third
street, Philadelphia. Architect, F. T. Uezzell,
1203 Filbert street, Philadelphia. Owners,
Mershon Patent Shaking Grate Works, 1203
Filbert street, Philadelphia. Brick, 4 stories,
slag roof, steam heating, electric lighting,
elevator, office partitions. Plans in progress.
Architect will take bids about April 1st.**

**Factory, Thirtieth street, below Chestnut
street, Philadelphia. Architect, F. T. Uezzell,
1203 Filbert street, Philadelphia. Owners,
James Foely & Son, 3008 Chestnut street, Phil-
adelphia. Brick, 3 stories, 50x100 feet, slag
roof, steam heating, electric lighting, elevator.
Plans in progress. Architect will take bids
in one month.**

**Residence, Forty-eighth and Kingsessing
avenue. Architect, Charles Balderston, 411
Walnut street, Philadelphia. Owner, Charles
H. Heustis, 4628 Larchwood avenue. Brick,
stone trimmings, 3 stories, 27x48 feet, slate
and tin roof, hot water heating, electric light-
ing, hardwood floors, tile work. Plans in
progress. Architect will take bids in about
ten days.**

**Warehouse (alt. and add.), 333 North
Fourth street, Philadelphia. Architect, J. J.
Weitzenfeld, Easton, Pa. Owner, L. Blum-
berg, 342 North Fourth street, Philadelphia.
Brick, 2 stories, 40x100 feet, slag roof, elec-
tric lighting, concrete and wood floors. Own-
er is ready for bids.**

**Machine Shop, 4947 Fairmount avenue, Phil-
adelphia. Architect, private plans. Owner,
A. G. Fischer, on premises. Brick and steel,
3 stories, 45x111 feet, slag roof, steam heat-
ing, electric lighting, elevator, fire doors, con-
crete floors, metal sash. Owner taking bids,
due March 14th. The following are figuring:
Fidelity Construction Co., Heed Building;
James P. Farrell & Co., 1619 Sansom street;
E. E. Hollenback, Fifteenth and Race streets;
Baily-Lush Co., 201 North Broad street; A.
Raymond Raff Const. Co., 1635 Thompson**

street; F. C. Borel, 5425 Summer street, all of
Philadelphia.

**Bakery, Stores and Restaurant, Fifty-second
street, above Market street, \$50,000. Archi-
tects, Neubauer & Boyd, 1118 Chestnut street,
Philadelphia. Owners, Baker's Bakery Co.,
Fifty-first and Media streets, Philadelphia.
Brick and terra cotta, 2 stories, 112x60 feet
and 32x50 feet, slag roof, electric lighting,
tile work, metal lath, dampproofing, maple
floors (heating and store fixtures reserved).
Architects taking bids, due March 27th. The
following are figuring: Roydhouse-Arey Co.,
Fidelity Building; A. Raymond Raff Const.
Co., 1635 Thompson street; George A. Boyd,
211 East Willow Grove avenue; Baily-Lush
Co., 201 North Broad street; H. E. Baton,
Twelfth and Sansom streets; Ketcham & Mc-
Quade, 1029 Brown street; Metzger & Fisher,
Denckla Building; Freund-Siedenbach Co.,
Bulletin Building; George & Borst, 277 South
Eleventh street, Philadelphia.**

**Store and Loft Building, southeast corner
Seventeenth and Arch streets, \$60,000. Archi-
tects, A. J. Sauer & Co., 908 Chestnut street,
Philadelphia. Owners, R. A. Heymann & Bro.,
Widener Building, Philadelphia. Reinforced
concrete, brick and terra cotta, 5 stories, 50x
100 feet, slag roof, steam heating, electric
lighting, metal sash, metal lath, elevator, fire
doors. Architects taking bids, due March
21st. The following are figuring: J. Sims
Wilson Co., 1125 Brown street; I. T. Shoe-
maker, 1309 Walnut street; Wm. R. Dough-
erty, 1610 Sansom street; Frank G. Stewart,
1619 Sansom street; E. J. Kreitzburg, 1345
Arch street; Cramp & Co., Denckla Building;
D. Henwood, 1509 Wood street; F. A. Havens
& Co., 845 North Nineteenth street; Royd-
house-Arey Co., Fidelity Building; H. C. Rea
Co., 1027 Wood street; Freund-Siedenbach
Co., Bulletin Building, Philadelphia.**

**Business Building, southeast corner Broad
and Brown streets. Architect, Frank E. Hahn,
1112 Chestnut street, Philadelphia. Owner,
George Miller, 1306 Chestnut street, Philadel-
phia. Reinforced concrete and terra cotta,
2 stories, 100x125 feet, slag roof, steam heat-
ing, electric lighting, metal lath, metal sash.
Plans completed. Architect will take bids in
a few days.**

**Store Building, 2132 Market street, Phila-
delphia. Architects, Baily & Bassett, 1112**

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Chestnut street, Philadelphia. Owner's name withheld. Brick and terra cotta, 2 stories, 18x125 feet, slag roof, steam heating, electric lighting. Plans completed. Architects will take bids in a few days.

Garage, 232 to 238 North Juniper street, Philadelphia. Architect, Private plans. Owner, Lewis A. Scott, Witherspoon Building, Philadelphia. Brick, 4 stories, 68x120 feet, slag roof, electric lighting, metal lath, composition flooring, reinforced concrete floors,

fire doors (heating and elevator reserved). Builder, James Johnston, 1721 Ludlow street, has contract and is taking sub-bids.

Residences (124), Oregon, Smedley, Colorado and Seventeenth streets. Architect, private plans. Owner, G. W. Young, care of Charles M. Weild, 2316 South Broad street, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, steam heating, electric lighting, hardwood floors, tile bath rooms. Charles M. Weild is taking sub-bids on all lines.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage, Seminole avenue, Philadelphia. Architects, E. J. Holmes & Co. and C. Churchman, 1311 Walnut street, Philadelphia. Owner, C. C. Walbridge, Seminole avenue, Chestnut Hill. Stone, 2 stories, 20x26 feet, slate roof, hot water heating, electric lighting. Contract awarded to Stokes Bros., 6723 Musgrave street.

Waiting Room, Twenty-sixth and Christian streets, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Brick, 2 stories, 30x23 feet, iron stairs, ornamental iron gates, hollow tile and reinforced concrete floors, steel sash, hollow metal doors, tile and mosaic work. Contract awarded to Fidelity Const. Co., Heed Building.

Warehouse, Twenty-fourth and Wood sts., \$45,000. Architect, private plans. Owners, John Lang Paper Co., Twenty-fourth and Vine streets, Philadelphia. Brick, 5 stories, 50x49 feet, slag roof, electric lighting. Contract awarded to Wm. H. Eddleman & Co., 453 Green lane, Roxborough, Philadelphia.

Garage and Stable, 5226 Knox street, Philadelphia, \$5,000. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, Robert Coloopy, 429 Queen lane, Philadelphia. Brick, 1 story, 100x96 feet, slag roof, electric lighting, cement floors. Contract awarded to L. H. Eckard, 1320 North Carlisle street.

Factory (alts.), Seventeenth and Allegheny avenue, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, A. Mecky Co., on premises. Consists of interior alterations to fifth floor, slag roof, metal lath, roof ventilator, fire door, concrete floor. Contract awarded to A. R. Raff Construction Co., 1635 Thompson street, Philadelphia.

Garage and Stores, Twenty-third and Chestnut streets, Philadelphia, \$35,000. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, Edward M. Harris, Twenty-second and Market street, Philadelphia. Brick and terra cotta. Garage, 1 story; stores, 2 stories, 115x141 feet, slag roof. Contract awarded to Philip Haibach Contracting Co., Twenty-sixth and Thompson streets.

Garage, 6302 Moylan street, Germantown. Architect, private plans. Owner, H. E. Ziegler, 6302 Moylan street, Philadelphia. Brick, 1 story, 17x10 feet, slag roof, hot water heating. Contract awarded to E. A. Heffner, 6361 Jefferson street, Germantown.

Factory, Seventh street, Wood and Franklin streets, \$35,000. Architect, Herman Miller, Crozer Building, Philadelphia. Owners, Central Machine Co., 708 Cherry street, Philadelphia. Reinforced concrete and brick, 3 and 5 stories, 44x110 feet, slag roof, steam heating, electric lighting, electric elevator, metal sash, fire doors, safety treads dampproofing and waterproofing. Contract for concrete and mason work awarded to Wilbert Beaumont, Stephen Girard Building.

Bank Building, southwest corner Twelfth and Chestnut streets, \$250,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Beneficial Saving Fund Society, on premises. Granite and marble or limestone and steel, 2 stories, 50x140 feet, copper roof, steam heating, enameled bricks, waterproofing, metal lath, metal lockers, metal doors and trimmings, marble and tile roof (vaults, elevator, electric work, bronze work, finished wood floors reserved). Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Garage, 5151 Wissahickon avenue, Philadelphia. Architect, Robeson Lea Perot, 34

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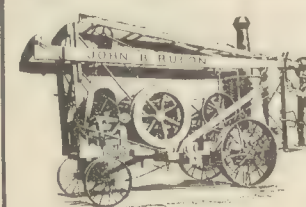
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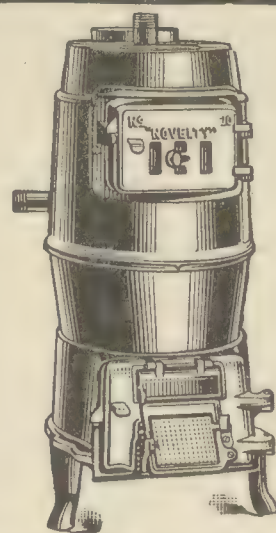
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South Seventeenth street, Philadelphia. Owner, architect. Brick and hollow tile, 1 story, 25x17 feet, red slate or asbestos shingle roof, electric lighting, cement floors. Contract awarded to Elfreth & Co., 1706 Sansom street.

Garage, 1231 and 1233 Wood street, Philadelphia. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Thomas Watson, 34 North Thirteenth street, Philadelphia. Brick, 1 story, 32x70 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to Herman Voigt, 1251 North Twenty-eighth street, Philadelphia.

Store and Dwelling (alt.), northeast corner Reese and Bainbridge streets. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Wm. Roseff, 535 Bainbridge street, Philadelphia. Consists of general interior and exterior alterations and additions, hot water heating, slag roof, combination lighting, marble work. Contract awarded to Fred Quate, 1323 Snyder avenue, Philadelphia.

Office Building, Sixth and Tabor road, Philadelphia, \$25,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Philadelphia Textile Machinery Co., Hancock and Somerset streets. Reinforced concrete, 2 stories, 33x112 feet, slag roof (steam heating, electric lighting and plumbing reserved). Contract awarded to Hennebique

Const. Co., 1170 Broadway, New York City, and Drexel Building, Philadelphia.

School (add.), Twenty-third and Cambria streets, \$59,209. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and stone, 3 stories, 12 rooms (plumbing, heating and electric work separate bids), copper and slate roofs, metal lath, waterproofing, concrete floors. Contract awarded to Melody & Keating, Bailey Building, Philadelphia.

School (add.), Eighth and Wolf streets, Philadelphia, \$67,443. Architects, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick and stone, 3 stories, 12 rooms (heating, plumbing and electric work separate bids), slate and copper roofs, metal lath, waterproofing, cement floors. Contract awarded to Melody & Keating, Bailey Building, Philadelphia.

School (add.), Thirteenth and Porter streets, Philadelphia, \$44,000. Architect, J. Horace Cook, Land Title Building, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and stone, 2 stories, 6 rooms (plumbing, heating and electric work separate bids), slate and copper roofs, metal lath, waterproofing, concrete floors. Contract awarded to Standard Construction Co., Drexel Building, Philadelphia.

PENNSYLVANIA

Construction News

Grand Stand, Muehlenburg Township, Pa., \$25,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, The Reading Fair Co., Inc., Reading, Pa. Reinforced concrete and steel, 204x67 feet asbestos roof, metal lath, dampproofing and waterproofing. Plans completed. Architect will take bids in a few days.

Church, Lancaster, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Grace Church, Rev. James F. Gross, Lancaster, Pa. Brick, stone trimmings, 1½ stories, 51x100 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in a few days.

High School, Lititz, Pa., \$95,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, Lititz, Pa. Brick, 2½ stories, 176x176 feet, composition roof, mechanical system of heating, electric lighting, reinforced concrete floors. Plans in progress.

Store Building (alt. and add.), Reading, Pa. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Brick, 2 stories, 15x70 feet, tin roof, hot air heating, electric lighting, two dumb waiters. Plans in progress.

Garage, Fleetwood, Pa. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Fleetwood Motor Co., Fleetwood, Pa.

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725-26 Commercial Trust Building, Philadelphia

Brick, 1 story, 50x96 feet, slag roof, electric lighting, cement floors. Plans in progress.

Residence, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Leo F. Lauter, Reading, Pa. Brick, 2½ stories, 28x30 feet, slate roof, hot water heating, electric lighting tile work. Plans in progress.

Residences (2), Pennside, Pa., \$6,000. Architect, private plans. Owner, Sylvester Weis, Mt. Penn, Reading, Pa. Brick, 2 stories, 24x30 feet, tile roofs, hot water heating, electric lighting, tile work. Plans completed. Owner will take sub-bids.

Twin Residence, Mt. Penn, Pa., \$15,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, J. B. Schaeffer, Mt. Penn, Reading, Pa. Hollow tile and stucco, 2½ stories, 40x48 feet, asbestos shingle roof, hot water heating, electric lighting, tile work. Owner taking sub-bids.

Hospital (adds.), Abington, Pa. Architects, Bissell & Sinkler, Bailey Building, Philadelphia. Owners, Abington Memorial Hospital, Abington, Pa. Engineer, Isaac H. Francis, Commonwealth Building, Philadelphia. Brick, stone and steel, fireproof. Nurses' home, 3 stories, 95x45 feet; power house, laundry and garage and three passageways, slate and composition roofs, marble and tile work, metal lath (heating, electric work, power equipment, laundry equipment, elevator and stack separate bids). Architects taking bids, due March 21st. The following are figuring: Frank G. Stewart, 1619 Sansom street; George & Borst, 277 South Eleventh street; Henry L. Brown, 1714 Sansom street; James H. Wells, Heed Building; Metzger & Fisher, Denckla Building; F. L. Hoover & Sons, 1023 Cherry street; Wm. H. Eddleman & Sons, 453 Green lane, Roxborough, Pa.; H. H. Burrell, 206 South Quince street; H. E. Baton, Twelfth and Sansom streets, Philadelphia; W. John Stevens, Wyncote, Pa.

Residence, Perkasio, Pa., \$20,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, B. F. Cressman, Perkasio, Pa. Hollow tile and stucco, 2½ stories, 32x64 feet; wing, 22x24 feet, tile roof, hot water heating, electric lighting, tile and hardwood floors. Plans in progress.

Municipal Building, Yardley, Pa., \$12,000. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Borough of Yardley, Lewis C. Leedom, Yardley, Pa. Brick, stone and marble trimmings, 2 stories, 40x50 feet, slate roof, hot water heating, electric lighting, metal cages, office fixtures, dampproofing. Plans in progress.

Residences (add.), Cornell, Pa., \$10,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, T. D. Adams Cornell, Pa. (P. O. Churchville, Pa.) Hollow tile and stucco, 2 stories, 46x38 feet, slate and tile roof, hot water heating, tile and hardwood floors, dampproofing. Plans in progress.

Sunday School (add.), Doylestown, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Salem Reformed Church, Rev. L. D. Hetrick, Doylestown. Stone, 1 story, 41x27 feet, slate roof, electric lighting, railing and partitions. Plans in progress.

Residence, Doylestown, Pa., \$6,000. Architect, A. Oscar Martin, Doylestown, Pa. Own-

er, Frank Hart, Doylestown, Pa. Stone and stucco, 2½ stories, 34x36 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Plans in progress.

Residences (2), Rydal, Pa. Architects, Duh-ring, Okie & Ziegler, Bailey Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 30x72 feet and 30x80 feet, shingle roofs, hot water heating, electric lighting, tile work, oak floors. Plans in progress. Architects will take bids in about 2 weeks.

Cigar Factory, Lancaster, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Bros. Co., Third and Spruce streets, Philadelphia. Reinforced concrete and brick, 3 stories, 80x280 feet, slag roof, steam heating, electric lighting, waterproofing, elevators, metal sash. Plans completed. Architect will take bids in a few days.

Factory Building, Conshohocken, Pa. Engineers, Haven & Crosby, Marshall Building, Boston, Mass. Owners, Lee Tire and Rubber Co., Conshohocken, Pa. Brick, 2 stories, 81x135 feet, slag roof, steel sash, roof ventilators, fire doors, safety treads, maple floors, metal lath (heating, plumbing and electric work reserved). Owners taking bids, due March 17. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

Factory (add.), Reading, Pa. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owners, Berks Engineering Co., Reading, Pa. Brick and frame, 2 stories, 34x50 feet; 1 story, 54x68 feet. Carey's roof, electric lighting, steam heating. Architect taking sub-bids on all lines.

Residences (15), Lebanon, Pa., \$45,000. Architect, A. A. Ritcher, 15th and Court sts., Reading, Pa. Owners Peinlehf & Boyer, Lebanon, Pa. Brick, stone trimmings, 2½ stories, 16x40 feet each, slate and composition roof, vapor vacuum heating, electric lighting. Owners taking sub-bids.

City Hall (alts.), Reading, Pa., \$7,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners City of Reading, Pa., care of Frank Tyson, City Hall, Reading. Consists of new steel cells and elevator. Owners taking bids, due March 13th. The following are figuring: Wm. Sharp, Daniel Hunter, D. E. Dempman, all of Reading, Pa.

Church and alts. to Sunday School, Harrisburg, Pa., \$65,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Messiah Lutheran Church, Rev. Henry Henson, Harrisburg, Pa. Stone and concrete, terra cotta, 1½ stories, 60x100 feet, Carey's roof and slate roof, electric lighting, maple floors. Architect taking bids, due March 15th at 6 P. M. The following are figuring: A. J. McKelvey, Charles Lady and Stapf & Benfer, all of Harrisburg, Pa.; J. L. Menough & Son, York, Pa.; Beard Const. Co., Reading, Pa.; Harry Wright, Steelton, Pa.; Burd P. Evans & Co., Thirteenth and Wallace streets, and E. F. Hollenback, Fifteenth and Race streets, Philadelphia.

Residence, Elkins Park, Pa., \$9,000. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, M. G. Paul, 135 South Fifth street, Philadelphia. Hollow tile and stucco, 2½ stories, 30x50 feet, slate roof, hot water heating, electric lighting, tile work,

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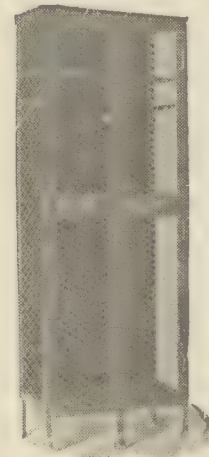
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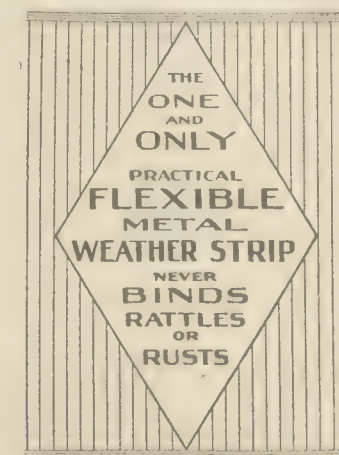
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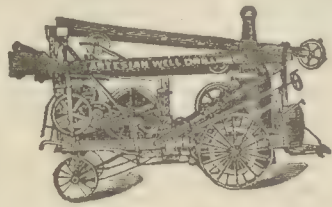
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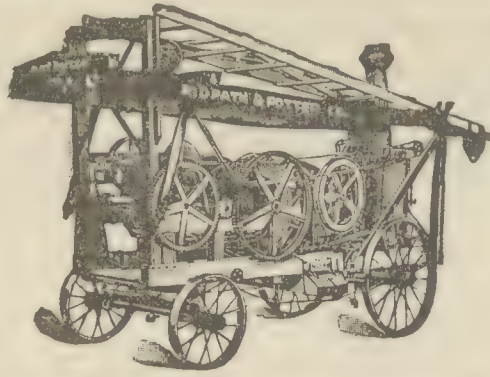


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School (add.), near Collegeville, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Board of Education of Lower Providence Township, Frank S. Brant, president, Trooper, Pa. Brick, 1 story, 60x80 feet, slate or slag roof, electric lighting, slate blackboards. Plans in progress.

High School (add.), Trooper, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Board of Education of Lower Providence Township, Frank S. Brant, president, Trooper, Pa. Brick, 1 story, 62x90 feet, slag or slate roof, electric lighting, slate blackboards. Plans in progress.

Residence (alt. and add.), Elkins Park, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Lewis Needles, Spring avenue, Oak Lane, Philadelphia. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting. Plans in progress. Architects will take bids in two weeks.

Parochial School, Wayne, Pa. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, St. Katherine of Sionna Parish, Rev. Charles F. Kavanaugh, rector, Wayne, Pa. Brick, granite trimmings, 2 stories, 115x52 feet, tile and slag roof, waterproofing, yellow pine floors, slate blackboards (plumbing, heating and electric work separate bids). Architects have received bids.

Storehouse, Enola, Pa. Engineer, W. C. Coughlin, 376 Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., care of George Brown, division engineer, Harrisburg, Pa. Brick and concrete, 1 story, 60x83 feet, slag roof, safety treads (heating, electric work and elevator reserved). Owners have received bids.

Loom Building (alt. and add.), North Wales, Pa., \$10,000. Engineer, Harry C. Eisenbise, Pennsylvania Building, Philadelphia. Owners, L. H. Gilmer Co., 52 North Seventh street, Philadelphia. Brick, 1 story alts. and frame building, 1 story, 50x60 feet, slag roof, new floors, etc. Plans in progress.

Residence and Garage, Merion, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, R. J. Hughes, 1509 North Sixteenth street, Philadelphia. Stone, 2½ stories, 28x70 feet,

slate roof, hot water heating, electric lighting, tile work, oak floors. Architects taking bids, due March 15th. The following are figuring: Milton W. Young, Overbrook, Philadelphia; Stokes Bros., 6723 Musgrave street; James H. Wells, Heed Building; E. J. Hedden, Finance Building; John E. Kearney, 327 North Sixty-third street, Philadelphia; Frank H. Mahan, Ardmore, Pa.

Residence, Swarthmore, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Paul Freedley, Swarthmore, Pa. Hollow tile and plaster, 2½ stories, 32x33 feet, shingle roof, electric lighting, tile work (hot water heating reserved). Architects taking bids, due March 17th. The following are figuring: E. J. Kreitzburg, 1345 Arch street; F. B. Davis, 240 North Sixteenth street, Philadelphia; J. Howard Roberts, Lansdowne, Pa.; J. W. Meckert, Glenolden, Pa.; J. D. Durnall, Swarthmore, Pa.

Residence (alt. and add.), Whitemarsh, Pa. Architects, E. J. Holmes & Co. & C. Wharton Churchman, 1311 Walnut street, Philadelphia. Owner, O. B. Judson, Whitemarsh, Pa. Frame, 2½ stories, shingle roof, yellow pine floors. Architects taking bids, due March 18th. The following are figuring: James B. Flounders, 1329 Arch street; Stokes Bros, 6723 Musgrave street; Frank G. Stewart, 1619 Sansom street, Philadelphia, and Alfred James, Bala, Pa.

Residence, Elkins Park, Pa. Architects, Van Voorhees & Harvey, Hale Building, Philadelphia. Owner, Charles F. Yost, 3737 North Bouvier street, Philadelphia. Hollow tile and plaster, 2½ stories, 40x30 feet, and wing 19x21 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architects taking sub-bids.

Residence, Melrose, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 42x29 feet; wing, 20x30 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architects have received bids.

Residence, Harrisburg, Pa. Architect, Geo. C. Baum, 1424 Arch street, Philadelphia. Owner, John P. Keller, Harrisburg, Pa. Brick, 2½ stories, 35x44 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking bids.

Store, Office and Lodge Building, South Bethlehem, Pa., \$45,000. Architects, Jacoby, Weishample & Weinert, Bethlehem, Pa. Owners, Knights of Pythias, South Bethlehem.

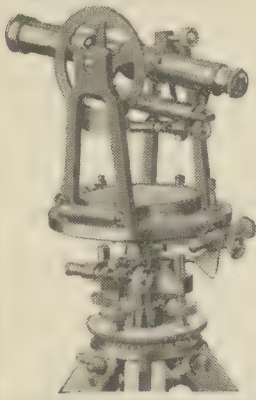


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Store Building, Allentown, Pa., \$20,000. Architect, Ephraim M. Pickin, Hunsicker Building, Allentown, Pa. Owners, S. S. Kresge Co., 50 Union Square, New York City. Brick, 3 stories, 30x110 feet, slag roof, steam heating, electric lighting, metal lath. Plans about completed. Architect will take bids in about one week.

Bungalow and Garage, Allentown, Pa., \$5,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown. Owner, O. S. Hoch, Allentown, Pa. Brick, 1 story, 30x65 feet; garage, 16x18 feet, slate roof, hot water or vapor heating, electric lighting, hardwood floors. Owner is sub-letting all contracts.

Picture Theatre, Martins Creek, Pa. Architect, J. J. Weitzenfeld, Easton, Pa. Owner, Pietro Guzzetto, Martins Creek, Pa. Cement blocks, 1 story, 40x100 feet, slag roof, electric lighting, heating not decided. Plans in progress.

Residences (100), Yeadon, Pa. Architect, private plans. Owner, Theodore Presser, 1712 Chestnut street, Philadelphia. Agent, J. Cutler Fuller, 10 South Eighteenth street, Philadelphia. Brick and stone, 2½ stories. Details not decided. Plans in progress. Agent will take sub-bids in about three weeks.

Shop Buildings, Wilkes-Barre, Pa. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Lehigh and Wilkes-Barre Coal Co., Wilkes-Barre, Pa. Brick, concrete and steel. Wheelwright and paint shop, 2 stories, 75x40 feet; electric, plumbing and harness shop, 2 stories, 75x40 feet; car and carpenter shop, 1 story, 205x40 feet; dry kiln, 1 story, 23x24 feet, inlaid slate and asbestos shingle roofs, metal lath, hollow tile and concrete fireproofing, kalamein doors and trimmings, safety treads, iron stairs, wire partitions, steel sash (heating and electric work reserved). Architects taking bids, due March 22nd. Irwin & Leighton, 126 North Twelfth street, and Metzger & Fisher, Denckla Building, Philadelphia, are figuring.

Factory Building, Conshohocken, Pa. Engineers, Haven & Crosby, Marshall Building, Boston, Mass. Owners, Lee Tire and Rubber Co., Conshohocken, Pa. Brick, 2 stories, 81x135 feet, slag roof, steel sash, roof ventilators, fire doors safety treads maple floors, metal lath (heating, plumbing and electric work re-

served). Owners taking bids, due March 17th. In addition to those reported, F. R. Heavner, Norristown, Pa.; Wm. Steele & Sons Co., 1600 Arch street, and C. O. Struse & Sons, Walnut lane and Cresson street, Philadelphia; Westinghouse, Church, Kerr Co., 37 Wall street, New York City, and J. W. Ferguson, Patterson, N. J., are figuring.

Sewage Disposal Plant, Lys Loysville, Pa. Engineers, Harrison, Mertz & Emlen, Commercial Trust Building, Philadelphia. Owner, Tressler Orphans' Home, Loysville, Pa. Consists of concrete tank, concrete basins, sprinkling filters. Plans in progress.

Residence (alt. and add.), Beth Ayres, Pa. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, Mrs. Hollinshead N. Taylor, 8104 St. Martins lane. Plaster, 2½ stories, tin roof, tile work, oak floors (heating, plumbing and electric work and vacuum cleaning system reserved). Architects taking bids, due March 25th. The following are figuring: J. Sims Wilson Co., 1125 Brown street; Doyle & Co., 1519 Sansom street; H. H. Burrell, 206 South Quince street; Frank E. Walls, 1220 Chancellor street; Pringle Borthwick, 8018 Germantown avenue, Philadelphia; W. John Stevens, Wyncote, Pa.

Residence (alt. and add.) and Garage, Haverford, Pa. Architects, Mellvain & Roberts, Land Title Building, Philadelphia. Owner, Mrs. Agnes S. Rogers, Haverford, Pa. Stone, 2½ stories, shingle and canvas roofing, hot air heating, electric lighting, oak floors, tile work, vacuum cleaner piping. Architects taking bids, due March 20th. The following are figuring: Graham-Campion Co., Heed Building; Metzger & Fisher, Denckla Building; J. P. Thompson, Real Estate Trust Building; Loos & Dothard, Commercial Trust Building, Philadelphia, and Gray Bros., Rosemont, Pa.

Garage and Greenhouse, Elkins Park, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Charles J. Cole, Elkins Park, Pa. Brick and hollow tile and glass, 1 story, 24x29 feet, shingle roof, hot water heating, electric lightin (gasoline tank and pump reserved). Architect taking bids, due March 17th. The following are figuring: Specht & Sperry, Heed Building; F. T. Mercer Co., 1706 Delancey street; John H. Dagny, Sixty-ninth street and York road; Frank W. Hall, 5519 North Third street, Philadelphia; C. L. Hemmerly, Oak Lane, Philadelphia; W. John Stevens, Wyncote, Pa.

Service Building, Scranton, Pa. Architect, Albert Kahn, Detroit, Mich. Owners, Ford

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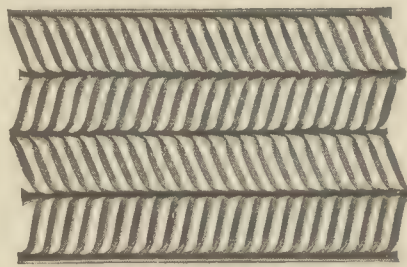
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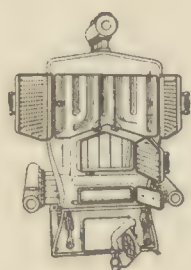
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Pennsylvania Contracts Awarded

Y. M. C. A. (add.), Allentown, Pa., \$100,000. Architect, Louis E. Jallade, 37 Liberty street, New York City. Owners, Y. M. C. A., Allentown, Pa. Brick, terra cotta and steel, fireproof, 5 stories, slag roof, steam heating, electric lighting tile and marble work, concrete fireproofing. Contract awarded to W. A. Stein & Co., Allentown, Pa.

Garage, Rydal, Pa. Architects, Mellvain & Roberts, Land Title Building, Philadelphia. Owner, E. George Lavino, Bullitt Building, Philadelphia. Brick and plaster, 2 stories, 20x33 feet, shingle roof, hot water heating, electric lighting. Contract awarded to W. John Stevens, Wyncote, Pa.

Parochial School, Berwyn, Pa., \$30,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, St. Monica's R. C. Church, Rev. John C. Carey, Berwyn, Pa. Brick and terra cotta, 2 stories, 66x96 feet, Carey's roof, metal lath, concrete and hollow tile fireproofing, maple floors, composition flooring, slate blackboards (plumbing, heating and electric work reserved). Contract awarded to Wm. J. McShane, 417 South Thirteenth street, Philadelphia.

Parochial School, Bala, Pa., \$50,000. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, St. Matthias's R. C. Church, Bala, Pa. Stone, 3 stories, 60x150 feet, tile roof, dampproofing, iron stairs, reinforced concrete floors tile and terrazzo work (heating, plumbing and electric work separate bids). Contract awarded to Wm. J. McShane, 417 South Thirteenth street, Philadelphia.

Residence, Bryn Mawr, Pa., \$22,000. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, J. Henry Longmaid, Bryn Mawr, Pa. Hollow tile and plaster, 2½ stories, 32x86 feet, shingle roof, tile work, oak floors (vapor heating and electric lighting separate bids). Contract awarded to Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Garage and Warehouse, Reading, Pa., \$12,000. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owner, Joel A. Arnold, 935 Walnut street, Reading, Pa. Brick and steel, 2 stories, 66x110 feet, slag roof, steam heating, electric lighting, concrete floors, elevator, metal sash, dampproofing, gasoline tank and storage system. Contract awarded to H. J. Raudenbush, Reading, Pa.

Store Front, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Samuel L. Dunkle, 703 Penn street, Reading, Pa. Consists of new bulk windows. Contract awarded to Harry Heckman, Reading, Pa.

Factory, Bethlehem, Pa., \$10,000. Architects, Jacoby & Weishample & Weinert, Bethlehem, Pa. Owners, Swiss Cleaners and Dyers and International Bag Co., Edward L. Myers, president, Bethlehem, Pa. Brick and teal, 2 stories, 137x30 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, metal sash, roof ventilators, steel stack. Contract awarded to F. F. Speck, Bethlehem, Pa.

High School, Slatington, Pa., \$65,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners Board of Education, P. N. Snyder, secretary, Slatington, Pa. Stone and brick, 2 stories, 90x130 feet, slate roof, slate blackboards (heating, plumbing and electric work separate bids). Contract awarded to E. F. Peters Allentown, Pa.

Dormitory (add.), Haverford, Pa. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, Haverford College, Haverford, Pa. Stone, 3 stories, 85x35 feet, green slate roof, tile and marble work, waterproofing, reinforced concrete floors in bath rooms, iron stairs, safety treads (heating and electric work reserved). Contract awarded to Stacy Reeves & Sons, 2011 Market street, Philadelphia.

New Jersey Construction News

School, Trenton Junction, N. J., \$28,000. Architect, R. A. Shumann, 932 Lambertson street, Trenton, N. J. Owners, Board of Education, Elwood Hendrickson, Pennington road, Ewing Township, N. J. Brick, 1½ stories, 103x105 feet, slate roof, hot air fan system, electric lighting. Revised plans in progress.

Store Front, 141 East State street, Trenton, N. J., \$2,500. Architect, J. Osborne Hunt, Interstate Telephone Building, Trenton, N. J. Owner, E. H. Steel, 1302 West State street, Trenton, N. J. Consists of new bulk windows. Plans in progress.

Residence, South Broad street, Trenton, N. J., \$6,000. Architects, W. W. Slack & Sons, American Mechanics' Building, Trenton, N. J. Owner, J. Blaugrund, South Broad street, Trenton, N. J. Brick, 2½ stories, 19x80 feet, slate and tin roof, steam heating, electric lighting, tile and hardwood floors, waterproofing. Architects have received bids.

Residences (4), Wayne avenue, Trenton, N. J., \$6,400. Architect, private plans. Owner, Robert Russo, Trenton, N. J. Brick, 2½ stories, 14x42 feet each, slate and tin roof, hot water heating, electric lighting. Owner is taking sub-bids.

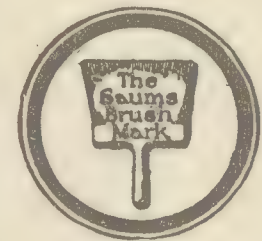
Bungalow, Winslow Junction, N. J. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner's name withheld. Hollow tile and stucco, 1½ stories, 37x56 feet, shingle roof, hot air heating, electric lighting. Plans in progress. Architects will take bids in about two weeks.

High School, Camden, N. J., \$400,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Camden, N. J. Brick, stone, terra cotta and steel, fireproof, 2 stories, 250x178 feet, composition roof mechanical fan system of heating, electric lighting. Plans completed. Owners will advertise for bids in a few days.

Fluid Factory, Gloucester, N. J. Engineers, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, The Welsbach Co., Gloucester, N. J. Hollow tile and steel, 3 stories, 120x53 feet, asphalt roof and asphalt floors.

(Continued on page 194.)

Pittsburgh's New \$5,000,000.00 Hotel



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Editorial Comment

How important it is that the architect, selected to design and plan a great modern office building, should be a man with some experience in this branch of construction is shown by a writer in the New York "Real Estate Record," who approaches his subject from the viewpoint of the owner and renting manager.

"In a modern office building there are so many different elements which enter into the construction that each part of the building must be considered with particular care," says the article in question. "Each element of construction is represented in the market by different types of material and manufacture, and unless such element is wisely selected, a project which figures well before construction may afford a poor return on the investment in the completed building.

"In making up preliminary figures for a prospective building, real estate operators as a rule include maintenance, repairs and depreciation charges as well as interest, promotion charges and operating expenses. The three latter items are fixed in proportion to the total expense of the building. Maintenance, repairs and depreciation charges vary materially with different types of construction.

"Real estate operators, in considering the construction of a new office or commercial building, have in mind certain points which to them indicate the probable success or failure of such an operation. In the first place, the proportion of rentable space to lot area is one feature which determines the success of the venture. If the rentable area is too small in proportion to the size of the lot, the income of the building will not pay the proper dividends on the investment. The amount of space consumed by corridors, elevators or public rooms, is, of course, the important factor in determining the relation of rentable area to lot size.

* * *

"Questions of construction or of materials entering into the building, and all general details, are usually left to the architect, but it is also advisable," in the opinion of the writer, "for the owners and real estate operators to be sufficiently conversant with the various types of materials, so as to recognize the relative value of the different types of construction.

"It is not the first cost in a building that counts in its ultimate success so much as the continual expense of maintenance and repair. For example, in a certain large office building certain plumbing fixtures were used which were considerably more expensive than any of the competitive fixtures proposed. The owners have justified the extra expense by the fact that not one cent has been spent for plumbing repairs for a period extending over a number of years. In another building be-

longing to the same owners where plumbing fixtures of a less expensive type were installed, there is a continual open account for plumbing repairs. It is not just to assume that in every case it is necessary to obtain the most expensive article nor that the highest price is an insurance against defects, but the above illustration will serve to indicate that after careful examination and comparison of expenses in other buildings the owners did exercise good judgment in selecting the fixtures they had installed.

* * *

"So it is with the heating installation. A battery of boilers—that is two or three boilers set up side by side—while consuming more space in the lower part of the building, is more efficient in operation, presents a flexible heating unit, and provides insurance against failure of the entire plant in extreme weather. For example, where one boiler could easily accomplish the work desired, it is more advisable to take two boilers of a smaller size with an aggregate heating capacity as may be required, these two boilers being arranged so that in mild weather one only may be used, and in extreme weather both may be operated. The life of the boilers in such an installation is longer than is the life of the single boiler previously referred to.

"This statement, of course, is true within certain limits. Where boilers are installed of a radiating capacity, say, less than 4,000 feet, it would be absurd to put two small boilers in place of one, but from this point upward it may be assumed with reasonable accuracy that a battery of two or more boilers is well worth considering.

"The first cost of some of the special vacuum heating or vapor systems seems to the average investor as being prohibitive in a commercial enterprise. Investigation into the relative merits of a gravity system, vacuum system or a vapor system, however, might readily show that the saving in coal consumption and the saving in operating expense of the boiler plant would be sufficiently great to represent good interest on the additional investment.

"An analysis of the various kinds of structural elements such as concrete, terra cotta, plaster blocks or metal partition, is of sufficient importance to be well worth while in the case of a proposed building. The principal consideration, however, by which the relative value of types of construction should be judged is stability; and in this connection the quality of permanence would also enter."

* * *

Without entering into any criticism of the views here expressed, we want to say that while much may undoubtedly be said upon the subject of the importance of so planning and equipping an office building as to sensi-

bly enhance its renting possibilities, over-emphasis on this score is likely to produce buildings that are architecturally ugly and unprepossessing. The average building manager is so intent upon interior requirements that he is likely to overlook, if not slight entirely, the exterior qualities of the work in hand. There is a happy medium, of course, between the extremes here mentioned, and it is this happy medium the architect should seek. A building planned as to interior so as to incorporate every idea of the building or renting manager does not in every instance yield itself to attractive exterior design.

One point made by the writer, in which builders will find it easy to concur, is the wisdom of installing high, rather than low priced equipment. Equipment, generally speaking, should be selected with a view to maintenance and wearing capacity rather than first cost. The policy that demands quality at the outset makes for economy in the end, as every owner who has had any experience with repair and renewal costs has reason to know.

* * *

The zone system, for the protection of certain classes of property against the deterioration of values which results from the invasion of objectionable types of construction, is gradually coming in for a wide measure of discussion. This system, well known and long established abroad, is comparatively new to the United States, where, in general, it is but little understood. A paper, read by George B. Ford before the New Jersey Housing Conference, affords a fairly clear and lucid idea of what is sought to be achieved by this system of zones or districts.

"A man takes his savings and buys a plot of land in a residential district and builds on it a house for his own use," says Mr. Ford. "After he has lived there a year or two someone comes along and buys the plot adjoining and erects a factory on it. The man who built the residence finds his home spoiled, and in desperation tries to sell his place and move out. He discovers that the value of his property has been materially reduced.

"Again, a man builds a good house for himself, on a plot 50x100 feet, in a restricted residential area. After he has been there a few years the restrictions run out. On the plot next door to him, say to the south, there is erected a six-story apartment house. Most of his sunlight and a great deal of his light and air has been cut off. The value of his property has markedly depreciated. Both of these are typical cases happening constantly in every city and town.

"Districting according to use would save the first man. Districting according to height and area of buildings would save the second man. In other words, to avoid the harmful incursion of factories, the region in which the first man's house is located should be fixed as an exclusively residential district, or possibly a district with stores too for local trade only.

"The quarter in which the second man lives might have had a height and area dis-

trict imposed on it which would have made it poor business to erect anything except high-class residences in the neighborhood. Districting based on the social and economic needs of each part of a city or town will conserve that which should be conserved. It stabilizes property development, and conserves realty values. It helps a man's own property as well as that of his neighbor.

* * *

"Districting does away with much of the feeling that a man always has when he is buying property, that he has got to take a gambler's chance, that property around him, over which he has no control, is not going to be developed in such a way as to harm him. It preserves that which is good in existing developments and makes it far easier to predetermine the character of the development in those portions of the city which are yet to be built up. It also makes it possible for us to decide what type of housing is most advantageous under various conditions of land values, topography and distance from the center of the town.

"In other words, it should be determined what type of housing is economically and socially right in a district, then impose on that district local restrictions which will make the development of the desired type inevitable."

* * *

New York is busy with a movement, at this writing, to prevent the encroachment of factory buildings on the Fifth avenue shopping center. The better class of merchants are at last awake to the fact that unless something drastic is done to prevent it the retail shopping district will be driven out by loft and manufacturing structures that blot out whole gaps of area in its charm and continuity as a shopping promenade.

The result is a strong demand for the zone idea, the effect of which will be to make it illegal to set up manufacturing structures within a certain prescribed stretch of territory.

The zone or districting system will operate to prevent the shifting of trade centers that has been brought about in many of the big cities by the intrusion of structures alien and inimical to their established character. It should make for something resembling permanency in values.

PREDICT NEW RECORD IN BUILDING TRADE.

Despite the increasing cost of all building material and the increased cost of labor in the building trades, experts say the present year promises to establish a new record in building work in Philadelphia.

The year has opened with bright prospects for operative builders, who, it is expected, before it has closed, will far surpass last year's record of almost \$19,000,000 spent in dwellings alone. The bulk of house building, according to present indications, will be done along the Northeast Boulevard, where ground sufficient to provide sites for between 3,000

and 4,000 homes has been sold within the last four months. Many of these operations already are under way, and reports of selling received from builders are strongly suggestive of the boom conditions in West Philadelphia some years ago.

Much house building also will be done in West Philadelphia during the present year. The development will be of necessity confined to the territory close to the Cobbs Creek Boulevard. The building line has been pushed in the last few years so close to the Cobbs Creek Boulevard, or Sixty-third street, as it formerly was named, that little ground has been left undeveloped, and that little is mostly in isolated plots which continue to command steadily increasing prices. The indications are that before the year has closed there will be little ground left to build on close to Cobbs Creek Boulevard, from Market street to Woodland avenue.

With this territory developed there will be few large acreages left within the Forty-sixth Ward or in the Fortieth Ward, north of Woodland avenue, and any further development of the city westward must be on the west side of Cobbs Creek in Delaware County. This movement, indeed, may be said to have already begun with the recent purchase by John McClatchy of a tract of 50 acres in Delaware County, opposite the Sixty-ninth street terminal. Whether the proposal to annex Delaware County to Philadelphia County is carried to an issue immediately or not, there seems to be every probability that in a few years there will be enough Philadelphians residing in the county, if there are not enough there now, to give a handsome majority, if the proposal to join should be put to a vote, in favor of union with the city of Philadelphia.

DON'TS FOR SHEET METAL WORKERS.

Some "Don'ts" were printed on the call sent to members for the January meeting of the Sheet Metal Contractors' Association of Pittsburgh, Pa., which should be of interest to other trade organizations. These are as follows:

Don't miss the association meeting.

Don't be a silent member.

Don't be indifferent to your business and the association.

Don't accept a job at the other fellow's figure.

Don't become a delinquent in the association.

Don't work sixteen hours a day to make a living.

Don't guess when you figure plans. Be sure you are right.

Don't be afraid to play fair.

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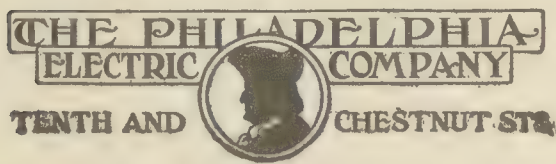
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NEW JERSEY CONSTRUCTION NEWS.

(Continued from page 190.)

steel sash, metal lath. Builders, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia, taking sub-bids, due March 15th.

Library Building, Camden, N. J., \$130,000. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Donor, Eldridge R. Johnson, president Victor Talking Machine Co., Camden, N. J. Owners, City of Camden, Camden, N. J. Stone and steel, fireproof, 1 story, steam heating, electric lighting, marble work, metal lath. Plans about completed. Architects will take bids in about ten days or two weeks.

Garage, Atlantic City, N. J. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Hotel Traymore Co., Atlantic City, N. J. Reinforced concrete, brick and terra cotta, 2 stories, 75x160 feet, asbestos roof, waterproofing, metal sash, fire escapes, marble and tile work (heating, plumbing, electric work and elevators separate bids). Architects taking bids, due March 15th. Cramp & Co., Denckla Building, are figuring (only bidders).

New Jersey Contracts Awarded

Hosiery Mill, Trenton, N. J., \$80,000. Architect, private plans. Owners, Wm. F. Taubel, Inc., Riverside, N. J. Reinforced concrete, 3 stories, 100x200 feet, slag roof, metal sash, steam heating, electric lighting. Contract awarded to Harrison C. Rea Co., 1027 Wood street, Philadelphia.

Residence (alt. and add.), Moorestown, N. J. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Robert Stackhouse, Eighth and Locust streets, Philadelphia. Frame, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Contract awarded to A. F. Aitken, Moorestown, N. J.

Residence, Trenton, N. J. Architect, Walter Thomas Mayo, Seventeenth and Chestnut streets, Philadelphia. Owner, Wm. L. Allfather, 204 Rosemont street, Trenton, N. J.

Hollow tile and stucco, 2½ stories, 30x40 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Burton & Burton, Trenton, N. J.

Residence (alt. and add.), Trenton, N. J. Architect, Spencer Roberts, 1524 Chestnut street, Philadelphia. Owner, C. S. Van Syckle, 224 Greenwood avenue, Trenton. Brick, 2½ stories, slag roof, hot water heating, electric lighting, hardwood floors. Contract awarded to Wm. Musson, 637 Monmouth street, Trenton, N. J.

Residence, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Dr. Marvin A. Street, 300 Broadway, Camden, N. J. Frame, 2½ stories, 25x65 feet, shingle roof, electric lighting, hardwood floors, tile work (heating, plumbing

separate bids). Contract awarded to Stewart L. Maines, Moorestown, N. J.

Residences (8), Burton avenue, Trenton, N. J., \$15,000. Architect, private plans. Owner, Wm. M. Nutt, 578 Rutherford avenue, Trenton, N. J. Brick, 2½ stories, 14x28 feet, slate and tin roof, hot air heating, electric lighting. Contract awarded to John Proctor & Son, Trenton, N. J.

Power House and Equipment, Ancora, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, Camden County Board of Freeholders, Court House, Camden, N. J. Brick, 1 story, 44x21 feet, slag and slate roof, electric lighting, concrete foundations, 90 feet steel stock, pumps, two boilers. Contract awarded to Baker Engineering Co., Heed Building, Philadelphia.

Miscellaneous Construction News

Hospital (add.), Farnhurst, Del., \$60,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington, Del. Owners, State of Delaware, State Hospital, Dover, Del. Brick, stone trimmings, 3 stories, 98x135 feet, slate roof, steam heating, electric lighting, tile work, metal lath, waterproofing and damp-proofing. Plans completed. Owners will advertise for bids on March 13th.

Residence, Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner Mrs. Joseph A. Bowe, 909 Adams street, Wilmington. Brick, stone trimmings, 3 stories, 30x50 feet, slate roof, vapor vacuum heating, electric lighting, metal lath, hardwood floors, tile work. Plans in progress.

Residence and Garage, Guyan Court, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Victor Du Pont, Wilmington, Del. Hollow tile and stucco, 3 stories. Residence, 35x82 feet; garage, 2 stories, 20x30 feet, slate roof, electric lighting, tile work hardwood floors, damp-proofing (vapor vacuum heating reserved). Architect taking bids, due March 20th. The following are figuring: J. A. Bader Co., Dupont Building; John E. Healy & Son, 707 Tatnall street; W. D. Haddock & Co., 804 Orange street; A. S. Reed & Bro. Co., 815 Shipley street, all of Wilmington, Del., and J. Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Department Store (alt. and add.), Wilmington, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Braunstein & Co., Wilmington, Del. Brick, terra cotta and steel, 3 stories, 45x150 feet, tin roof, steam heating, electric lighting, tile work, metal lath. Architect has received bids.

Bank and Office Building, Columbus, Ohio. Architects, Richards, McCarty & Bulford, Columbus, Ohio. Owners, Citizens' Trust and

Savings Co., Columbus, Ohio. Brick, terra cotta and steel, 5 stories, 188x62 feet, composition roof, steam heating, electric lighting, metal lath, hollow tile and concrete fireproofing, marble and tile work. Architects taking bids, due March 20th. James H. Wells, Heed Building, Philadelphia, is figuring.

Bank Building, Jacksonville, Florida. Architects, Mowbray & Uffinger, 56 Liberty street, New York City. Owners, Florida National Bank, Jacksonville, Fla. Granite and steel, fireproof, 1 story, 92x72 feet, steam heating, composition roof, electric lighting, yellow pine floors, metal lath, waterproofing and damp-proofing, reinforced concrete floors, hollow tile partitions, metal sash. Owners taking bids, due March 16th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Appraiser's Stores and Court House, Wilmington, N. C. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Granite and steel, fireproof, 3 stories, 95x280 feet, composition copper roof, roof ventilators, metal lath, waterproofing and damp-proofing, kalamein doors, safetytreads, ornamental iron work (heating, plumbing and electric work separate bids). Owners taking bids, due March 23rd at 3 P. M. Charles McCaul Co., 1713 Sansom street, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

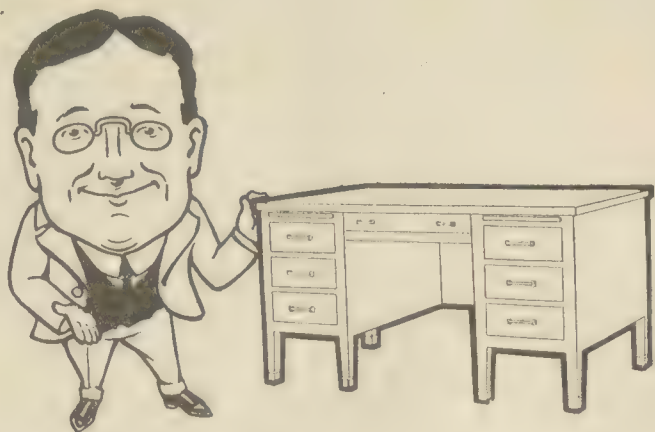
Stable, Thirteenth and Lincoln streets, Wilmington, Del. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Wm. Friehofer Baking Co., Twentieth and Indiana avenue, Philadelphia. Brick, steel and concrete, 2 stories, 32x102 feet, slag roof, electric lightin. Contract awarded to Philip Haibach Contracting Co., Twenty-sixth and Thompson streets, Philadelphia.

MARYLAND Construction News

Factory and Warehouse, Baltimore, Md. Architect, James R. Edmunds, Jr., 12 East Read street, Baltimore, Md. Engineer, Henry F. Doeelman, American Building, Baltimore. Owners, W. E. Hooper & Sons Co., Maryland Life Building, Baltimore, Md. Reinforced concrete, 3 stories, 100x100 feet, slag roof, steel sash, fire doors, safety treads, hollow tile partitions, ornamental iron work, waterproofing (heating, plumbing, electric work, sprinklers and elevators reserved). Engineer

taking bids, due March 15th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Hotel (remodeling), Katalysine Station, Md. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Katalysine Springs Hotel Co., Charles O. Marquette, manager, Katalysine Station, Md. Consists of remodeling hotel, new spring, water pavilions, bottling and shipping buildings, garage and farm buildings. Plans in progress.



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Bell 1565

Race 957

Dwelling, Guilford, Md., \$30,000. Architects, Mottu & White, 322 North Charles street, Baltimore, Md. Owner, Lawrence M. Buck, Fort avenue and Lawrence street, Baltimore. Brick and stone, 2½ stories, slate roof, electric lighting. Plans in progress.

Dwelling, Worthington Valley, Md. Architect, James R. Edmunds, Jr., Keyser Building, Baltimore, Md. Owner, C. Wilbur Miller, Garrett Building, Baltimore. Hollow tile and stucco, 2½ stories, slate or tile roof. Plans in progress. Too early for details.

Dwelling Salisbury, Md. Architects, Owens & Sisco, Continental Building, Baltimore. Owner, William P. Jackson, Salisbury, Md. Brick and frame, 2½ stories, slate roof, hot water heating, electric lighting, tile baths. Architect will take bids in a few days.

Garage, Belvidere street, near Greenmount avenue, Baltimore, \$10,000. Architects, Sparklin & Childs, Law Building, Baltimore. Owner, Wallace W. Kemp, 401 East Oliver street, Baltimore. Brick and concrete, 2 stories, 81x60 feet, slag roof, steam heating, electric lighting. Plans about completed. Architect will take bids in about one week.

Hotel, northeast corner Light and German streets, Baltimore. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Southern Hotel Co., Addison E. Mullikin, president, 369 Calvert Building, Baltimore. Brick and reinforced concrete, 10 stories, steel sash, metal lath. Plans in progress. Too early for details.

Moving Picture Theatre, 2200 Madison avenue, Baltimore, Md. Architects, Sparklin & Childs, Law Building, Baltimore. Owners, Madison Amusement Co., Robert Kinnier, Broadway and Orleans street, Baltimore. Brick and concrete, 1 story, 55x145 feet, slag roof, steam heating, electric lighting. Plans completed. Architects ready for bids.

Sunday School, University Parkway and Charles street, Baltimore, \$35,000. Architect,

Theo. W. Pietsch, 1210 American Building, Baltimore. Owners, Calvary M. E. Church, Rev. John Wm. Smith, 3013 Guilford avenue, Baltimore. Brick and marble, slag roof, steam heating, electric lighting, tile work, oak floors. Revised plans in progress.

Show Rooms and Hall, 137-39 West Mount Royal avenue, Baltimore. Architects, Wyatt & Nolting, Keyser Building, Baltimore. Owners, Automobile Club of Maryland, H. M. Luzius, secretary, 12 West Mt. Royal avenue. Brick, terra cotta, limestone and reinforced concrete, 3 stories, 53x83 feet, slag roof, steam heating, electric lighting. Plans about completed. Architects will be ready for bids in a few days.

Tin Plate Plant, Baltimore, Md. Architect, private plans. Owners, Baltimore Sheet and Tin Plate Co., 915 Munsey Building, Baltimore. Consists of group of buildings, brick, concrete and steel. Plans in progress.

Apartment House, University Parkway and Charles street, Baltimore. Architect, E. L. Palmer, 1621 Munsey Building, Baltimore. Owner, C. Warner Storck, care of The Rochambeau, Baltimore, Md. Brick and limestone, 4 stories, slag roof, steam heating, electric lighting. Architect ready for bids.

Toilet Building (alt. and add.), Bayview, Md., \$15,000. Architect, private plans. Owners, City of Baltimore, Baltimore, Md. Brick and concrete, 12x46 feet, steam heating, electric lighting. Owners will take bids in about three weeks.

Church, Mt. Washington, Md., \$30,000. Architects, Baldwin & Pennington, 330 North Charles street, Baltimore. Owners, Sacred Heart Catholic Church, Mt. Washington, Md. Stone, slate roof, steam heating, electric lighting. Architects ready for bids.

Cold Storage Plant, Baltimore, Md. Architect, Otto Kubitz, 11 East Lexington street, Baltimore. Owner, Edw. Heinz, 45 Cross Street Market, Baltimore, Md. Brick, 1 story, 23x53 feet, slag roof. Plans in progress.

Dwelling, Guilford, Baltimore, Md. Architect, Edw. L. Palmer, 1621 Munsey Building, Baltimore. Owners, Misses Davis, 527 North Charles street, Baltimore. Frame and stucco, 2½ stories, slate roof, hot water heating, electric lighting, tile baths, hardwood floors. Plans in progress.

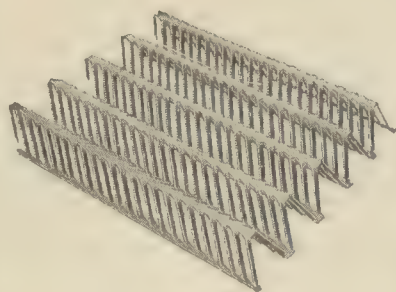
Drydock and Buildings, foot of Martin street, Baltimore, \$500,000. Engineer, private plans. Owners, Baltimore Drydock and Shipbuilding Co., Thos. H. Bowles, president, Title Building, Baltimore. Concrete and steel. Plans in progress.

Residence, Guilford, Md. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owners, Misses Fowler, care of architect. Brick, 2½ stories; 40x60 feet, slate roof, electric lighting. Plans in progress.

Dwellings, Poplar Grove street, Baltimore, Md., \$150,000. Architect, R. L. Harris, 2027 Kennedy avenue, Baltimore, Md. Owners, Linthicum Bros., 217 St. Paul street, Baltimore. Brick, 2 stories, 14x45 feet, slag roofs, electric lighting. Plans in progress. Sweetser Linthicum, Jr., 217 St. Paul street, Baltimore, Md., will take sub-bids on all lines.

Dwelling, Edmondson avenue, above Ten Hills, Baltimore, \$13,000. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, C. W. Galloway, care of Baltimore and Ohio Railroad, Baltimore, Md. Stone and brick, 2½ stories, slate roof, hot water heating, electric lighting, tile baths, hardwood floors. Plans in progress.

Dwelling and Garage, Guilford, Md., \$35,000. Architect, George R. Callis, Jr., 218 East Lexington street, Baltimore, Md. Owner, Mary Kennedy, 603 University Parkway, Baltimore. Stone and brick, 2½ stories, 41x52 feet; wing, 22x25 feet; garage, 25x28 feet, slate or tile roofs, hot water heating, electric lighting, tile baths, vacuum cleaners, concrete floor. Plans about completed. Architect will take bids in about two weeks.



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Dwelling, Green Spring Valley, Md. Architect, Lawrence Hall Fowler, 347 North Charles street, Baltimore. Owner, Joseph P. Kennedy, Charles and Wells streets, Baltimore. Hollow tile and stucco, 2½ stories, slate and tile roof, electric lighting, tile floors, dampproofing (heating reserved). Contract awarded to Willard E. Harn Co., 213 North Calvert street, Baltimore.

Factory, First and Second avenues, Baltimore, Md. Architects, Balnke & Xink, 717 Equitable Building, Baltimore. Owners, Thomas Bros. & Kline, Inc., on premises. Brick and steel, 1 story, 48x110x77 feet, slag roof. Contract awarded to Singer Pentz Co., Equitable Building, Baltimore.

Store (alt.), 321-323 West Lexington street, Baltimore. Architect, Lawrence Hall Fowler, 347 North Charles street, Baltimore. Owner, J. W. Tottle, on premises. Consists of new front, stone and marble, new plumbing. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Transformer Building (No. 2), Biddle street and Loney's lane, Baltimore. Architects, Blanke & Zink, 717 Equitable Building, Baltimore. Engineer, Wm. C. Schnabel, Baltimore. Owners, Hess Steel Corporation, care of architects. Reinforced concrete, 2 stories, 18x44 feet, slate roof. Contract awarded to C. Hagedorn, 410 South Clinton street, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Samuel Brooks (O), 639 East Girard avenue. Nathan Miller (C), 537 Morris street. Cost, \$2,600. Brick, 2 stories, 14x50 feet, 639 East Girard avenue.

Robert M. Hogue (O), 100 Pelham road. W. John Stevens (C), Wyncote, Pa. Cost, \$22,000. Dwelling and garage, stone, 3 stories, 71x59 feet, Allen lane and McCallum street.

Charles E. Oelschlager (O), Harrison Building. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$275,000. Office building, brick and stone, 15 stories, 33x117 feet, Sixteenth and Walnut streets.

J. Lomax (O), 6020 Lombard street. A. Steinmetz (C), 6155 Chancellor street. Cost, \$900. Garage, brick, 2 stories, 32x19 feet, Sixty-first and Larchwood avenue.

Fred W. Storch (O), 1712 Wolf street. Cost, \$8,000. Three rooming houses, brick, 3 stories, 18x64 feet, 1616-20 Passyunk avenue.

Barnett Rubin (O), 3121 Frankford avenue. Cost, \$61,300. Thirty stores and dwellings, stone and brick, 2 stories, 14x50 feet, Lackawanna and Church streets.

Carl Metz (O), 4907 Lawrence street. Chas. Sinn (C), 211 Clarkson avenue. Cost, \$6,000. Three dwellings, brick, 2 stories, 14x38 feet, 4901-5 North Lawrence street.

Kenin & Shapiro (O), 6030 Market street. Cost, \$189,400. Forty-two dwellings, thir-

teen stores, forty-two garages, brick, 2 stories, 15x54 feet, Fifty-ninth and Ludlow streets.

Philip A. Boyer (O), 2813 North Broad street. A. V. Turner (C), 6328 North Camac street. Cost, \$6,000. Dwelling, stone and frame, 2 stories, 27x35 feet, Lawnton and Medary streets.

John Lang Paper Co. (O), Twenty-fourth and Vine streets. Wm. H. Eddleman & Sons (C), 453 Green lane, Roxborough. Cost, \$45,000. Warehouse, brick, 5 stories, 50x49 feet, Twenty-fourth and Wood streets.

Lorenzon Bros. (O), 27 East Abington avenue. Cost, \$1,800. Dwelling, brick, 2 stories, 16x48 feet, 8114 Devon street.

Kodroff & Goldman (O), 213 Christian street. Morris Krowitz (C), 1025 East Moyamensing avenue. Cost, \$3,200. Milk dairy, brick, 2 stories, 30x102 feet, Manton and American streets.

Wm. J. Blatz (O), 709 Butler street. Cost, \$34,300. Seventeen dwellings, brick, 2 stories, 16x45 feet, Fourth and Ashland streets.

J. John C. Burkholder (O), 5918 North Ninth street. Cost, \$5,000. Brick, 2 stories, 16x46 feet, Thirteenth and Champlost avenue.

Scheosberg & Cohen (O), 2534 North Hollywood street. Cost, \$84,000. Thirty-two stores and dwellings, brick, 2 stories, 14x40 feet, Aramingo and Ann streets.

Alterations and Additions

James Pfeifer (O), 3536 Germantown avenue. Frank A. Stoll (C), 1432 Germantown avenue. Cost, \$1,200. Store and dwelling, Eighth and Butler streets.

V. De Sinone (O), 4999 Thompson street. Cost, \$500. Store and dwelling, 4859 Lancaster avenue.

Albert V. Feiges (O), Sixty-fourth and Woodland avenue. H. M. Pedrick (C), P. O. Building, Darby. Cost, \$650. Store building, 6351 Woodland avenue.

Salvation Army (O), 1224 Parrish street. F. L. Hoover & Sons (C), 1023 Cherry street. Cost, \$2,600. Building, 1224 Parrish street.

Wm. J. Reiman (O), 5800 Pemberton street. Vanderbery Bros. (C), 5802 Pemberton street. Cost, \$4400. Store and dwelling, 5800 Pemberton street.

Gulf Refining Co. (O), Broad and Hunting Park avenue. Brilliant Co. (C), 1035 Ridge avenue. Cost, \$2,000. Sign, Broad and Hunting Park avenue.

Catherine Flanagan (O), 2541 North Ninth street. Ed. Flanagan (C), 2541 North Ninth street. Cost, \$300. Dwelling, 2048 East Huntingdon street.

James McDevitt (O), Twenty-second and Ellsworth streets. Cost, \$1,000. Garage, 1329 South Opal street.

Sol. Krouse (O), 512 South Fifth street. H. Miller (C), 427 Catherine street. Cost, \$600. Dwelling, 403 Gaskill street.

Robert Coloopy (O), 439 Queen lane. L. H. Eckard (C), 1320 North Carlisle street. Cost, \$5,000. Garage and stable, 5226 Knox street.

E. E. Brown & Co., Inc. (O), McKean and Meadow streets. Cost, \$300. Garage, Dilworth and McKean streets.

A. Ludwig (O), 2226 Callowhill street. M. Lesse (C), 816 Manton street. Cost, \$700. Store and dwelling, 2228 Callowhill street.

H. E. Miller (O), 2526 Coral street. Cost, \$1,600. Stable, 2032 Sergeant street.

Electric Storage aBttery Co. (O), Nineteenth and Allegheny avenue. Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$1,100. Shed and wash rooms, Nineteenth and Allegheny avenue.

S. G. Weissinam (O), 5165 Haverford avenue.

Simon Karluth (O), 3026 York street. Max Boltoin (C), 306 McKean street. Cost, \$400. Store and dwelling, 3026 York street.

M. Eiler (O), 4050 Market street. J. Bender (C), 1817 South Fourth street. Cost, \$900. Store and dwelling, 4050 Market street.

Barrett Manufacturing Co. (O), Frankford, Philadelphia. A. L. Carhart (C), Hale Building. Cost, \$6,000. Stable and garage, Margaret and Bermuda streets.

Harry C. Hockstadter (O), 1239 Arch street. B. Shestak (C), 528 Reed street. Cost, \$1,600. Tenement house, 1420 Allegheny avenue.

National Ammonia Co. (O), Delaware avenue and Van Kirk street. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$1,400. Shop, Dark Run lane and Delaware River.

J. & J. Dobson (O), Ridge and Crawford street. Wm. F. Auburn (C), Leverington and Umbria streets. Cost, \$3,500. Manufacturing building, Crawford street and Ridge avenue.

Land Title Company (O), Broad and Chestnut streets. Charles E. Bell (C), 223 South American street. Cost, \$700. Store and dwelling, 1111 Walnut street.

City of Philadelphia (O), Philadelphia. E. C. Durell (C), 1713 North Twenty-fourth street. Cost, \$3,700. Firehouse, Jackson and Van Kirk streets.

H. Baxter (O), 3941 Ridge avenue. G. Steinle (C), 3441 Sunnyside avenue. Cost, \$475. Store and dwelling, 3941 Ridge avenue.

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 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
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 F. Weber & Co.....1125 Chestnut st., Phila.
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 Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
 Russell and Keffer,
 Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Knickerbocker Lime Co...366 N. 24th st., Phila.
- Cement.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Knickerbocker Lime Co...266 N. 24th st., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
- Cement Colors.**
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- Columns (Metal).**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Concrete Construction.**
 Turner Concrete Steel Co...1715 Sansom st., Phila.
- Concrete Mixers.**
 Pierce-Schmidt Co.....Bulletin Bldg., Phila.
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 Richards-Wilcox Mfg. Co.....50 N. 6th st., Phila.
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 United Gas Improvement Co.,
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 Holmesburg Granite Co.,
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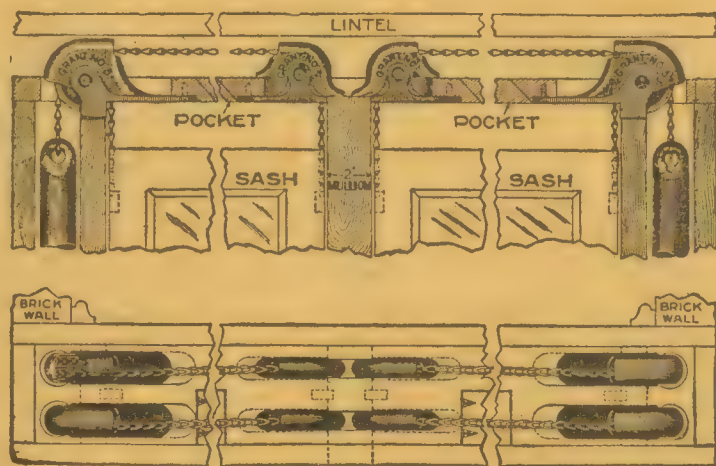
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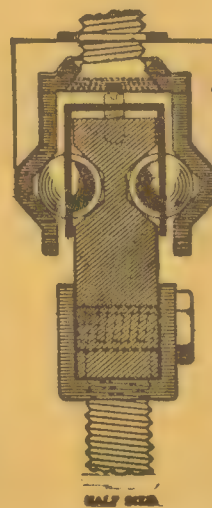
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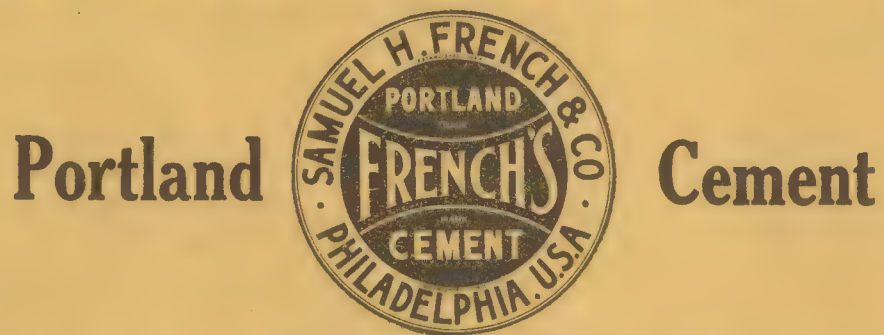
ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
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Vol. XXXI., No. 12.

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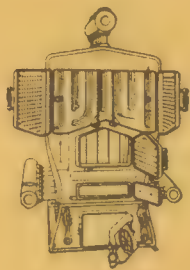
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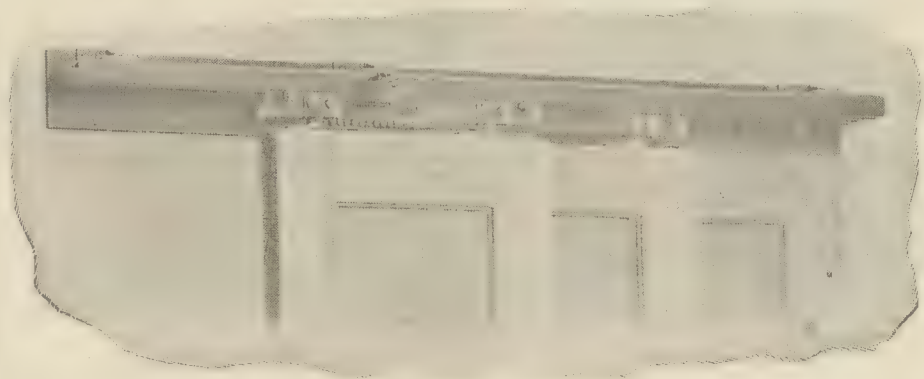
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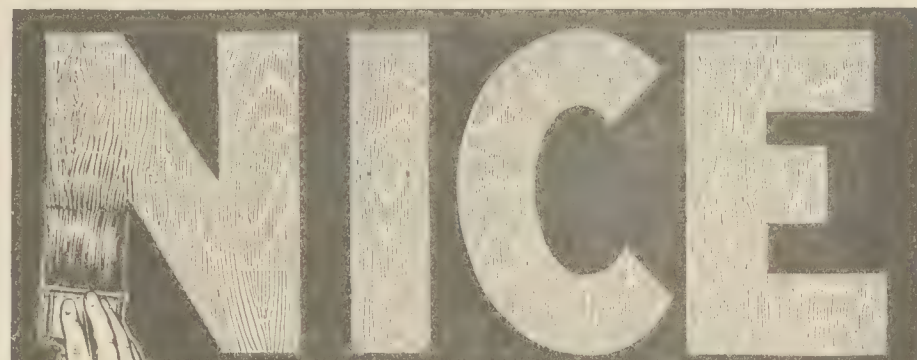


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Vol. XXXI., No. 12.

PHILADELPHIA, WEDNESDAY, MARCH 22, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store Building, 2132 Market street, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick and terra cotta, 2 stories, 18x125 feet, slag roof, steam heating, electric lighting. Architects taking bids, due March 24th. The following are figuring: Lam Building Co., 1001 Wood street; Freund-Siedenbach Co., Bulletin Building; Smith-Hardican Co., 1606 Cherry street; Thomas M. Seeds, 1207 Race street; Thayer & Co., 1233 Ludlow street, and B. Bornstein, 1510 North Franklin street.

Residence, Forty-eighth and Kingsessing avenue. Architect, Charles Balderston, 411 Walnut street, Philadelphia. Owner, Charles H. Heustis, 4628 Larchwood avenue. Brick, stone trimmings, 3 stories, 27x48 feet, slate and tin roof, hardwood floors, tile work (hot water heating and electric work separate bids). Architect taking bids, due March 27th. The following are figuring: Monaghan & Losse, 214 South Twelfth street; H. C. Rea Co., 1027 Wood street; Philip Haibach Contracting Co., Twenty-sixth and Thompson streets; Jacob Myers & Sons Co., Witherspoon Building; R. C. Ballinger & Co., 218 North Thirteenth street; F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Storage Warehouse, 2709 to 2713 North Broad street, Philadelphia. Architect, private plans. Owners, Miller North Broad Storage Co., 2715 North Broad street. Reinforced concrete and brick, 6 stories, 52x120 feet, slag roof, steam heating, electric lighting, damp-proofing, fire doors, terrazzo work. Builders, John N. Gill & Co., Heed Building, taking sub-bids on all lines, due March 24th.

Boys' High School, northeast corner Forty-ninth and Chestnut streets, Philadelphia. \$100,000. Architects, E. F. Durang & Sons, 1200 Chestnut street. Owner, Archbishop Prendergast, Eighteenth and Race streets, Philadelphia. Stone, 3 stories and basement, fireproof. Will contain gymnasium, auditorium, 24 class rooms, etc. Slag roof, steam heating. Plans in progress. Architects will take bids in about three weeks.

Garage, 536 and 538 North Fifty-second street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia.

Owner, Joseph Schroeder, 540 North Fifty-second street, Philadelphia. Tapestry brick, 1 story, 42x82 feet and 70x70 feet, slag roof, waterproofing (heating and electric work reserved). Architects have received bids.

Residence and Garage, Chestnut Hill, Pa., \$50,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Francis S. McIlhenny, Commercial Trust Building. Stone, 2½ stories, 20x65 feet and 30x53 feet, tile roof, electric lighting, tile and marble work, hardwood floors. Architects taking approximate bids. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Factory (add.), 705-707 Cherry street, Philadelphia. Architects, Koelle, Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, James F. Burns, 715 Cherry street, Philadelphia. Brick, concrete floors, 5 stories, 37x80 feet, slag roof, maple floors, fire doors, metal sash (heating, electric work and elevator reserved). Owner has received bids.

Factory and Office Building, Leverington and Wilde streets. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Fred Pearson & Co., on premises. Brick, 4 stories, 150x54 feet. Office building, 18x41 feet; proposal bond, slag roof, steel sash, fire doors, roof ventilators (heating and electric work and elevator reserved). Architect has received bids.

Alterations for Apartments, 4511 Springfield avenue. Architect, Le Roy B. Rothschild, Bulletin Building, Philadelphia. Owner, Frank P. Hood, Bulletin Building, Philadelphia. Brick, 3 stories, steam heating, electric lighting, plumbing and carpenter work. Architect has received bids.

Alterations for Apartments, 3142 North Broad street, Philadelphia. Architect, Le Roy B. Rothschild, Bulletin Building. Owner, Frank P. Hood, Bulletin Building. Brick, 3 stories, steam heating, electric lighting, plumbing and carpenter work. Architect has received bids.

Signal Tower, Arsenal Bridge, Philadelphia. Architect, private plans. Owners, Pennsylvania Railroad Co., care of H. G. Bixler, Thirty-second and Powelton avenue, Philadelphia. Brick, 2 stories, 24x16 feet, Rex tile roof,

steam heating (plumbing and electric work reserved). Owners have received bids.

Store and Dwelling (alts.), 933 Seville avenue, Eddystone, Pa. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, David Friedman, 505 Reed street, Philadelphia. Brick, 2 stories, rear addition, 12x16 feet, slag roof, electric lighting and general interior alterations. Architect will take bids in about one week.

Residences (15), Fifty-ninth and Ludlow streets. Architect, private plans. Owner, Edward N. Harris, 50 North Twenty-third st., Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heating. Plans in progress.

Church, Hancock and York streets, \$30,000. Architects, Charles W. Bolton & Son, Witherspoon Building. Owners, Alpha Baptist Church, Rev. H. N. Williams, 1738 North Gratz street. Stone, 1 story, 50x100 feet, slate roof, steam heating, electric lighting. Architects taking bids, due April 1st. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; E. E. Hollenbach, Fifteenth and Race streets; Burd P. Evans & Co., Thirteenth and Wallace streets; H. C. Rea Co., 1027 Wood street; Thomas C. Trafford, 1613 Sansom street; J. R. Jackson, Perry Building; Bushnell Bros., 2146 East Norris street.

Paper Mill, Tioga and Balfour streets, Philadelphia. Engineer, A. C. Wood, Pennsylvania Building, Philadelphia. Owners, Dill & Collins, Sixth and Cherry streets, Philadelphia. Consists of bleach plant, pulp mill and engine room. Brick, reinforced concrete and steel, 1, 2 and 3 stories, 169x92 feet and 50x41 feet, asbestos and slag roof, metal lath, fire doors, asphalt floors, safety treads (heating and electric work reserved). Builders, Wm. Steele & Sons Co., 1600 Arch street, taking sub-bids, due March 22nd.

Parochial School (alt. and add.), Twenty-third and Mifflin streets. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, St. Edmund's R. C. Church, Rev. John J. Greensill, 1909 South Twenty-third street. Granite, 2 stories, steam heating, electric lighting, tile and marble work, slate blackboards. Plans in progress.

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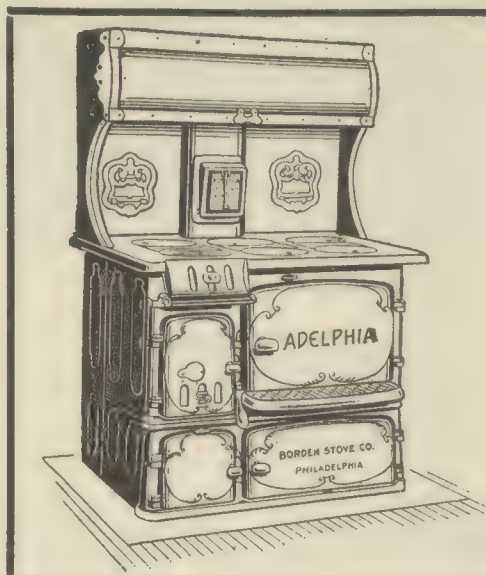
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Paint Factory (alt. and add.), 230 to 234
North Twelfth street. Architects, A. J. Sauer
& Co., 908 Chestnut street, Philadelphia. Own-
ers, Denny, Hilborn & Rosenbach, on premises.
Brick and reinforced concrete, 5 stories, 60x90
feet, slag roof, steam heating, electric light-
ing. Plans about completed. Architects will
take bids in about one week.

Bank Building (alts.), Seventh and Girard
avenue, Philadelphia. Architects, A. J. Sauer
& Co., 908 Chestnut street, Philadelphia. Own-
ers, People's Bank, on premises. Consists of
interior and exterior alterations, electric light-
ing, banking fixtures. Plans in progress. Ar-
chitects will take bids in about two weeks.

Warehouse, Wharton and Taylor streets.
Architect, John E. Youngberg, 30 North Dear-
born street, Chicago, Ill. Owners, American
Radiator Co., Chicago, Ill., and 115 North
Broad street, Philadelphia. Brick and rein-
forced concrete, 1 story, 150x120 feet, asbestos
roof, metal lath, wood blocks, electric light-
ing, electric elevator, fire doors, roof ventilat-
ors, steel sash. Owners have received bids.

Church and Sunday School, Twentieth and
Parrish streets, Philadelphia. Architect, Ja-
cob Naschold, 210 New street, Philadelphia.
Owners, Trinity Norwegian Evangelical Luth-
eran Church, Twentieth and Parrish streets,
Philadelphia. Stone, 1 story, 32x62 feet, slate
roof, steam heating, electric lighting. Own-
ers taking bids. Warren, Moore & Co., Com-
mercial Trust Building, Philadelphia, are fig-
uring.

Factory (alts.), 921 to 927 New Market
street, Philadelphia. Engineer, F. N. Kneas,
Commonwealth Building, Philadelphia. Own-
ers, George W. Kugler & Sons Co., on prem-
ises. Consists principally of shoring and new
cement pavements and driveways. Engineer
taking bids, due March 23rd. The following
are figuring: H. C. Dahl, 231 South Eighth
street; F. L. Hoover & Sons, 1023 Cherry
street; Burd P. Evans & Co., Thirteenth and
Wallace streets; John N. Gill & Co., Heed
Building; Pomeroy Construction Co., 1609
Ranstead street; S. B. MacDowell & Son, 1927
Montgomery avenue; Drehmann Paving Co.,
2622 Parrish street; John Meehan & Son, 915
West Dauphin street, Philadelphia.

Entrance Gate, Thirty-fourth and Girard
avenue, Philadelphia. Architects, Mellor &
Meigs, 205 South Juniper street, Philadelphia.
Owners, Zoological Society of Philadelphia, on

premises. Brick and ornamental iron. Plans
in progress. Architects will take bids in
about one week.

Business Building, southeast corner Broad
and Brown streets, Philadelphia. Architect,
Frank E. Hahn, 1112 Chestnut street, Phila-
delphia. Owner, George Miller, 1306 Chestnut
street, Philadelphia. Reinforced concrete,
brick and terra cotta, 2 stories, 100x125 feet,
slag roof, steam heating, electric lighting,
metal sash. Architect taking bids, due March
31st. The following are figuring: Boyle &
Co., 1519 Sansom street; Irwin & Leighton,
126 North Twelfth street; Cramp & Co.,
Denckla Building; H. E. Baton, Twelfth and
Sansom streets; Turner Concrete Steel Co.,
1713 Sansom street; Lam Building Co., 1001
Wood street; Metzger & Fisher, Denckla
Building; Wm. R. Dougherty, 1610 Sansom
street; E. E. Hollenback, Fifteenth and Race
streets; A. R. Raff Construction Co., 1635
Thompson street; Ketcham & McQuade, 1029
Brown street; Warren, Moore & Co., Commercial
Trust Building; Monaghan & Losse, 214 South
Twelfth street; Charles J. Appleton, Heed
Building, Philadelphia.

Department Store (add.), Eighth and Mar-
ket streets, Philadelphia. Architect, Frank
Seeburger, Pennsylvania Building, Philadel-
phia. Owners, Strawbridge & Clothier, on
premises. Consists of additional story on
western building to contain restaurant and
kitchens, brick, steel and concrete, fireproof,
60x300 feet, composition roof, electric light-
ing, steam heating, tile and marble work,
metal lath, ornamental plastering, cabinet
work. Architects taking bids, due March 27th.
The following are figuring: Stacy Reeves &
Sons, 2011 Market street; Doyle & Co., 1519
Sansom street; Cramp & Co., Denckla Build-
ing; Irwin & Leighton, 126 North Twelfth
street; George & Borst, 277 South Eleventh
street, Philadelphia.

Paving, various streets, Philadelphia. Own-
ers, City of Philadelphia, Department of Pub-
lic Works, George E. Datesman, Director, City
Hall, Philadelphia. Consists of paving various
streets with asphalt, macadam, wood blocks
and granite blocks. Owners taking bids, due
March 28th at noon. Plans at Room 232, City
Hall.

Loft Building, Central Philadelphia. Archi-
tects, A. J. Sauer & Co., 908 Chestnut street,
Philadelphia. Owner's name withheld. Re-

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treads, 2 electric elevators, dampproofing, radial brick stack, steel sash. Architects taking bids, due March 24th. Cramp & Co., Denckla Building, figuring (only bidders).

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory (add.). Front and Erie avenue, Philadelphia, \$40,000. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Hess-Bright Manufacturing Co., on premises. Brick, steel and concrete, 1 story, 200x180 feet, slag roof, steam heating, electric lighting, metal sash. Contract awarded to Harrison C. Rea Co., 1027 Wood street.

Loft Building (add.). Seventh and Wood streets, Philadelphia. Architect, Herman Miller, Crozer Building, Philadelphia. Owner, Charles W. Lawser, 712 Cherry street, Philadelphia. Brick and reinforced concrete, 50x90 feet, consists of two additional stories on present 3-story building, slag roof, electric lighting, metal sash, electric freight and passenger elevators. Contract awarded to Barclay White & Co., Perry Building, Philadelphia.

Residence. Wissahickon avenue, above Upsal street, \$9,000. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, 607 West Upsal street, Germantown. Stone, 2½ stories, 36x48 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Charles Johnson, 5701 Boyer street, Germantown.

Store Building. 802 North Broad street, Philadelphia, \$15,000. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owners, R. A. Helmann & Bro., Widener Building, Philadelphia. Brick and terra cotta, 3 stories, 20x160 feet, slag roof, steam heating, elevator, electric lighting, metal tile, tile work. Contract awarded to I. T. Shoemaker, 1309 Walnut street, Philadelphia.

Sunday School and Parsonage. Twelfth and Wyoming avenue, \$40,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Logan United Brethren Church, Logan, Philadelphia. Stone, 2 and 2½ stories, slate roof, steam heat, electric light. Contract awarded to E. E. Hollenback, Fifteenth and Race streets.

Laboratory Building. Frankford, Pa. Architects, Ballinger & Perrot, 1700 Arch street,

Philadelphia. Owners, Barrett Manufacturing Co., Thirty-sixth and Gray's Ferry road, Philadelphia. Brick and terra cotta, 2 stories and basement, 65x50 feet, slag roof, steel sash, reinforced concrete floors (heating and electric work reserved), plumbing. Contract awarded to A. R. Raff Const. Co., 1635 Thompson street, Philadelphia.

Factory Building. Keystone and Cottman streets, \$12,000. Engineer, Harry C. Eisenlyse, Pennsylvania Building, Philadelphia. Owners, E. H. Gilmer Co., 52 North Seventh street, Philadelphia. Brick and concrete, 2 and 3 stories, 50x100 feet, slag roof, maple floors, metal sash (heating, plumbing, electric work and elevator reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Service Building. Emerald street and Allegheny avenue, Philadelphia. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Cleveland Worsted Mills Co., on premises. Brick, 3 stories, 10x14 feet, slag roof. Contract awarded to Sutton & Stephenson, 1317 Washington avenue, Philadelphia.

Offices and Show Rooms. 1927 and 1929 Market street, \$6,000. Architect, private plans. Owners, Magnolia Covering Co., North American Building, Philadelphia. Brick, 3 stories, slag and asbestos shingle roof, steam heating, electric lighting, office partitions, elevator. Contract awarded to Pomeroy Construction Co., 1609 Ranstead street, Philadelphia.

Store and Residence (add.). 6118 Market street, Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner, Thomas Mullray, 6118 Market street, Philadelphia. Brick, 2-story addition, 16x20 feet, slag roof, electric lighting, steam heating, tile work. Contract awarded to John P. Fallon, 6036 Osage avenue, Philadelphia.

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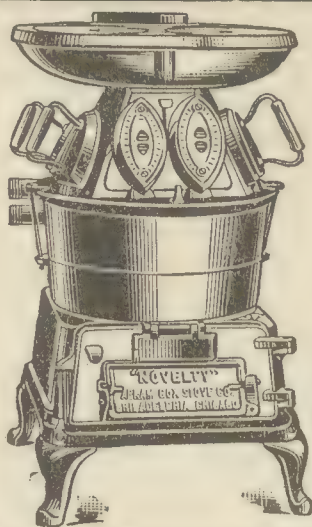
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PENNSYLVANIA Construction News

Sanitarium (add.), Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanitarium for Tuberculosis, care of Dr. Samuel F. Dixon, 1900 Race street, Philadelphia. Stone and hollow tile and plaster. Dining building add., 3 stories, 65x47 feet; Medical Directors' residence, 2½ stories, 44x54 feet; asbestos shingle roofs, metal lath, iron stairs, kalamein doors, metal sash, yellow pine floors, fire escapes (heating, plumbing and electric work separate bids). Owners taking bids, due March 28th. Connors Bros. Co., 64 West Thirty-eighth street, New York City, and James P. Farrell & Co., 1619 Sansom street, and Henry L. Brown, 1714 Sansom street, Philadelphia, are figuring.

Pond and Reservoir, Marcus Hook, Pa. Engineer, private plans. Owners, Benzol Products Co., Marcus Hook, Pa. Reinforced concrete, 100x89 feet by 4 feet deep. Owners taking bids, due as soon as possible. Loos & Dothard, Commercial Trust Building; E. W. Van Loon, Denckla Building, and Sanden Contracting Co., 1438 South Penn Square, Philadelphia, are figuring.

Reservoir (repairs), Norristown, Pa. Engineer, W. W. Hibbert, Hale Building, Philadelphia. Owners, State Hospital for the Insane, Norristown, Pa. Consists of resurfacing concrete reservoir. Owners taking bids, due April rd at 3 P. M. Plans may be obtained from engineer.

Lodge Building, Phoenixville, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Loyal Order of Moose, Phoenixville, Pa. Brick, 2 stories and basement, 34x90 feet, slag roof, electric lighting, hot water heating, composition flooring. Architect taking bids, due March 28th. The following are figuring: Latshaw & Walley, Spring City, Pa.; Frederick Keiser & Co., Pottstown, Pa.; James Meehan, Phoenixville, Pa.; Frank L. Boileau, Phoenixville, Pa.; Hett & Knode, Pottstown, Pa.; L. G. Fethers, Phoenixville, Pa.; S. Bannett & Sons, Drexel Building, and Charles J. Appleton, Heed Building, Philadelphia.

Cigar Factory, Lancaster, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadel-

phia. Owners, Bayuk Bros. Co., Third and Spruce streets, Philadelphia. Reinforced concrete and brick, 3 stories, 80x280 feet, slag roof, waterproofing, elevator, metal sash (heating and plumbing reserved). Architect taking bids, due March 27th. The following are figuring: Armstrong & Latta, Land Title Building; Roydhouse-Arey Co., Fidelity Building; Wm. Steele & Sons Co., 1600 Arch street; A. R. Raff Construction Co., 1635 Thompson street; George Hogg, 1634 Sansom street; Joseph Bird & Co., 213 North Eleventh street; Baily-Lush Co., 201 North Broad street; George & Borst, 277 South Eleventh street; Frank G. Stewart, 1618 Sansom street, Philadelphia.

Farm Buildings, Croydon, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Johnson Estate, care of Lawrence J. Morris, 209 South Third street, Philadelphia. Stone and frame, 1 and 2 stories. Barn, 61x85 feet; wing, 50x125 feet; shingle roof. Architects taking bids, due March 21st. The following are figuring: Graham-Campion Co., Heed Building; John Duncan, 920 Walnut street, Philadelphia; C. Yardley Stradling, Oxford Valley, Pa.; A. K. Freas, Andalusia, Pa.; Wm. H. Parlamen, Devon, Pa.; J. W. Worrlow, Media, Pa.; W. John Stevens, Wyncote, Pa.; John De Groot, Bristol, Pa.

Garage and Stable, Croydon, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Johnson Estate, care of Lawrence J. Morris, 209 South Third street, Philadelphia. Stone and frame, 2 stories, 32x71 feet, shingle roof, hot water heating, cement floors. Architects taking bids, due March 21st. The following are figuring: Graham-Campion Co., Heed Building; John Duncan, 920 Walnut street, Philadelphia; C. Yardley Stradling, Oxford Valley, Pa.; A. K. Freas, Andalusia, Pa.; Wm. H. Parlamen, Devon, Pa.; J. W. Worrlow, Media, Pa.; W. John Stevens, Wyncote, Pa.; John De Groot, Bristol, Pa.

Armory, Pittsburgh, Pa. Architects, W. G. Wilkins Co., Westinghouse Building, Pittsburgh, Pa. Owners, First Regiment N. G. P.

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Field Artillery, State Armory Board, Major Benjamin Demming, Harrisburg, Pa. Consists of administration building, 2 stories, 56x153 feet; stable, 2 stories, 221x39 feet; gun shed, 2 stories, 59x73 feet; brick, concrete, terra cotta, limestone and steel, fireproof, slag roofs. Owners have received bids.

Residence, York, Pa., \$10,000. Architects, Gommell & Billmeyer, York, Pa. Architect, Charles Kurtz, York, Pa. Brick and stone, 2½ stories, 47x34 feet, slate roof, electric lighting, tile and hardwood floors. Architects taking bids, due April 7th. The following are figuring: George Gilbert, Samuel Glatfelter, James L. Menough, Caspar H. Ormann, I. Reindollar, and Hess Bros., all of York, Pa.

Club House, York, Pa., \$60,000. Architects, Gommell & Billmeyer, York, Pa. Owners Loyal Order of Moose, No. 148, York, Pa. Brick and stone, 4 stories, 29x240 feet, slag roof, steam heating, electric lighting, combination and tile floors, waterproofing. Architects ready for bids April 15th.

High School, Swissville, Pa., \$175,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Swissville, Pa. Brick, stone and steel, 2 stories, fireproof. Plans in progress. Details not decided.

Factory and Garage, Harrisburg, Pa. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, Jennings Manufacturing Co., Harrisburg, Pa. Steel, reinforced concrete and brick, 3½ stories, 95x125 feet; garage, 37x125 feet. Plans in progress.

Bungalow, Duncannon, Pa., \$6,000. Architect, C. Harry Kain, Harrisburg, Pa. Owner, C. F. Umberger Harrisburg, Pa. Frame, 1½ stories, 26x55 feet, shingle roof, vapor heating, electric lighting, hardwood floors. Architect taking bids, due April 4th.

Residence, Camp Hill, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, W. B. R. Neiman, Harrisburg, Pa. Brick, 2 stories, 30x35 feet, slate roof, steam heating, electric lighting, hardwood and tile floors. Architect taking bids, due March 30th. Adam Stuckey & Son, Harrisburg, Pa., and J. C. Strichner, Le Nola, Pa., are figuring.

Grand Stand, Muchlenburg Township, Pa., \$25,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, The Reading Fair Co., Inc., Reading, Pa. Reinforced concrete and steel, 204x67 feet, asbestos roof, metal lath, dampproofing and waterproofing. Owners taking bids, due March 28th. Graham-Campion Co., Heed Building; Roydhouse-Arey Co., Fidelity Building, and Turner Concrete Steel Co., 1713 Sansom street, Philadelphia, are figuring.

Residence, Elkins Park, Pa. Architects, McCormick & McCormick, 1011 Chestnut street, Philadelphia. Owner, F. P. Spruance, 144 West Wyoming avenue, Germantown. Fisklock tapestry brick, 2½ stories, 27x34 feet, shingle roof, hot water heating, electric lighting, tile kitchen and bath, oak floors. Architects have received bids.

Stores and Office Building, Lancaster, Pa., \$40,000. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner's name withheld. Reinforced concrete and brick, 4 stories, 160x120 feet, tin roof, hot water heating, electric lighting, reinforced concrete and

tile floors, waterproofing and dampproofing, safety treads, reinforced concrete stairs. Plans in progress.

Picture Theatre, North Queen street, Lancaster, Pa., \$35,000. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owners, Hamilton Real Estate Co., Lancaster, Pa. Brick and steel, 1 story, 134x58 feet, composition roof, steam heating, electric lighting, terrazzo work, waterproofing and dampproofing, pipe organ, ventilators, Marquee, kalamein doors, metal sash. Plans in progress.

Hotel (alt.), North Queen street, Lancaster, Pa., \$10,000. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owners, Hamilton Real Estate Co., Lancaster, Pa. New lobby and bath rooms, electric lighting. Plans in progress.

Apartment (alt. and add.), 117 South Duke street, Lancaster, Pa., \$5,000. Architect, J. B. Harman, 56 North Duke street, Lancaster, Pa. Owner, Mrs. A. B. Cohn, 30 South Lime street, Lancaster, Pa. Brick, 1 story addition, 15x32 feet, composition roof, hot water heating, electric lighting. Architect taking bids, due March 20th. Roy Clark, Lutho Wehlson, Fred Spankus, and L. V. Wright, all of Lancaster, Pa., are figuring.

Residence, Gap, Pa., \$6,000. Architect, M. R. Evans, Lancaster, Pa. Owner, Dr. Schotos, Gap, Pa. Brick and frame, 2½ stories, 30x28 feet, shingle roof, vapor heating, electric lighting, tile and hardwood floors. Architect taking bids, due March 18th. Joseph Aiken, Vintage, Lancaster County, Pa., and N. Futer, Gordonville, Lancaster County, Pa., are figuring.

Laundry and Factory Building, Harrisburg, Pa. Architects, W. W. Johnson & Thomas M. Kelker, Harrisburg, Pa. Owner, W. E. Orth, Harrisburg, Pa. Reinforced concrete and brick, 5 stories, 50x162x102 feet, composition roof, steel sash, metal lath, waterproofing, maple floors (heating, plumbing, electric work and elevator reserved). Architects taking bids, due in one week. The following are figuring: Cranford & Stevenson, Stapf & Benfer, Joseph Pomraining, Charles Laidy, all of Harrisburg, Pa.; Frank G. Stewart, 1619 Sansom street, and Monaghan & Losse, 214 South Twelfth street, Philadelphia.

Armory, West Chester, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State Armory Board, care of Major Benj. Demming, Harrisburg, Pa. Brick, limestone trimmings, 1 and 2 stories, 64x90 feet, slag roof, metal lath, dampproofing (proposal bond, terrazzo marble and tile work, steel lockers (heating, plumbing and electric work separate bids). Lowest bid submitted by P. J. Hurley, 1233 Cherry street, Philadelphia, \$36,790.

School (rebuilding), Downingtown, Pa. Architect, G. Edward Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, Downingtown Industrial and Agricultural School. Hollow tile and stucco, 2 stories, 50x75 feet, shingle roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about one month.

Sunday School and Parsonage, Williamsport, Pa. Architect, M. I. Kast, 222 Market street, Harrisburg, Pa. Owners, Newberry M. E. Church, Williamsport, Pa. Brick, 2 stories,

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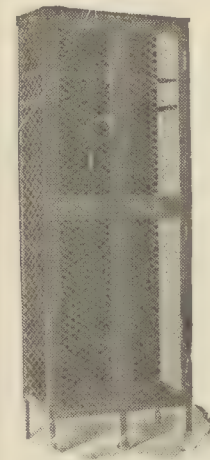
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36x50 feet and 55x84 feet, slate roof, steam heating, electric lighting. Plans in progress.

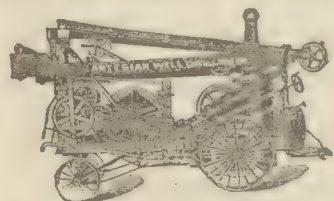
Manse, Ardmore, Pa. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, First Presbyterian Church, Ardmore, Pa. Stone, 2½ stories, slate roof, steam heating, electric lighting, tile work. Architects taking bids, due March 27th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; F. L. Hoover & Sons, 1023 Cherry street; E. E. Hollenback, Fifteenth and Race streets; Thomas C. Trafford, 1713 Sansom street, Philadelphia; Gray Bros., Rosemont, Pa.; W. Harry Roberts, P. O. Ard-

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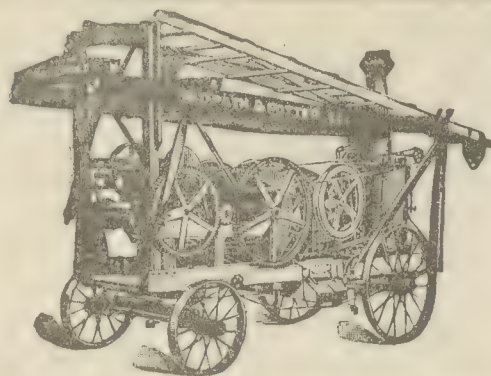


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more, Pa.; Charles C. Pace, Merion, Pa.; Milton W. Young, Overbrook, Pa.; Farrel Cox, Pryn Mawr, Pa.

Factory Building, Conshohocken, Pa. Engineers, Haven & Crosby, Marshall Building, Boston, Mass. Owners, Lee Tire and Rubber Co., Conshohocken, Pa. Brick, 2 stories, 81x135 feet, slag roof, steel sash, roof ventilators, fire doors, safety treads, maple floors, metal lath (heating, plumbing and electric work reserved. Owners have received bids.

Bank and Office Building (rebuilding), Tamaqua, Pa. Architect, B. R. Stevens, 1737 Filbert street, Philadelphia. Owners, Tamaqua National Bank, Tamaqua, Pa. Brick, terra cotta and steel, reinforced concrete floors, 3 stories, composition and slate roof, metal sash, metal doors, iron stairs, tile and marble work, vault doors, oak floors, composition flooring, metal lath (plumbing, heating, electric work and banking fixtures separate bids). Architect taking bids, due March 23rd. The following are figuring: Metzger & Fisher, Denkla Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia; Andrew Breslin, Summit Hill, Pa.; A. L. Graff, Tamaqua, Pa.; Shamokin Lumber Co., Shamokin, Pa.

Residence (alt. and add.), Wyebrooke, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, William M. Wood, Wyebrooke, Pa. Stone, 2½ stories, fireproof floors. Consists of general remodeling interior and exterior. Plans in progress.

Residence, Wayne, Pa., \$6,000. Architect, F. G. Caldwell, Stephen Girard Building, Philadelphia. Owner, James K. Stone, De Long Building, Philadelphia. Stone, frame and plaster, 2½ stories, shingle roof, hot water heating, electric lighting, oak floors, tile work. Architect taking bids, due March 31st. The following are figuring: F. B. Davis, 240 North Sixteenth street; John J. Murphy & Co., 1139 South Wilton street; Milton W. Young, Overbrook, Philadelphia; J. D. Lengel, Wayne, Pa.; M. N. Croll, Radnor, Pa.

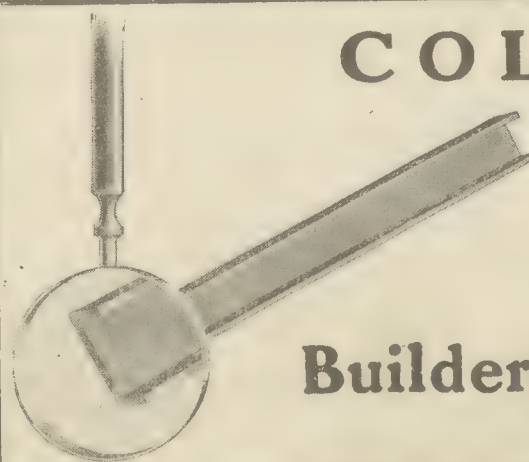
Knitting Mill (add.), Royersford, Pa. Architects, Edwin S. Lewis & Co., Lansdowne, Pa. Owner, E. C. Matlack, president, Progressive Knitting Mills, Royersford, Pa. Brick, 2 and 4 stories. Consists of two additional stories on present building and three four-story wings, slag roof, steam heating, electric lighting. Architects taking bids. Barclay White & Co., Perry Building, Philadelphia,

and Lansdowne Construction Co., Lansdowne, Pa., are figuring.

Academy Building (alts.), Villa Nova, Pa. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, Villa Nova College (Tolentine Academy), Rev. Nicholas J. Murphy, Villa Nova, Pa. Consists of refacing entire 3-story building, granite and terra cotta, tin roof. Architects taking bids, due March 27th. John McShain, 1610 North street; Wm. J. McShane, 417 South Thirteenth street; Wm. R. Dougherty, 1610 Sansom street; Conneen Const. Co., Commercial Trust Building; H. E. Baton, Twelfth and Sansom streets; Jacob Myers & Sons Co., Witherspoon Building; J. J. Murphy, 4034 Powelton avenue, are figuring.

Private School, Rydal, Pa., \$150,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ogontz School for Young Ladies, care of Miss A. A. Sutherland, Ogontz, Pa. Stone, 3 stories, slate roof, steam heating, metal lath, metal lockers, waterproofing and dampproofing, tile and marble work, fire doors, slate blackboards, reinforced concrete floors, metal doors (weather strips, electric work, elevator, laundry equipment reserved). Architect taking bids, due March 28th. The following are figuring: Specht & Sperry, Heed Building; Cramp & Co., Denkla Building; Roydhouse-Arey Co., Fidelity Building; James B. Flounders, 1329 Arch street; H. L. Brown, 1714 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; J. Sims Wilson Co., 1125 Brown street; George F. Payne & Co., 401 South Juniper street; Milton W. Young, Overbrook, Philadelphia; Metzger & Fisher, Denkla Building; Irwin & Leighton, 126 North Twelfth street; A. R. Raff Const. Co., 1635 Thompson street, Philadelphia; E. D. Lever, Abington, Pa.; Connors Bros. Co., 64 West Eighty-eighth street, New York City; George A. Fuller Co., Widener Building; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Store Rooms and Transportation Building, Ardmore, Pa. Architect, private plans. Owners, Counties Gas and Electric Co., Ardmore, Pa. Brick, steel and concrete, 2 stories, 43x107 feet, composition roof, metal lath, roof ventilators, fire doors, reinforced concrete floors, metal sash, safety treads, iron stairs. Owners taking bids, due March 27th. The following are figuring: George & Borst, 277

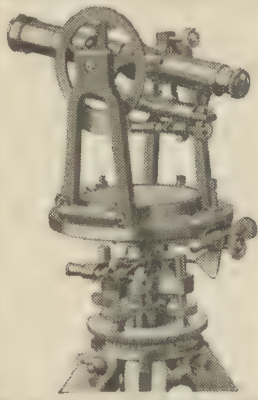


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South Eleventh street; Wm. R. Dougherty, 1610 Sansom street; H. E. Baton, Twelfth and Sansom streets; Abel Bottoms & Sons Co., 41 South Fifteenth street; Charles Gilpin, Harrison Building; Metzger & Fisher, Denekla Building; Milton W. Young, Overbrook, Philadelphia; F. H. Mahan, Ardmore, Pa.; J. D. Lengel, Wayne, Pa.

Residence, Ardmore, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Robley A. Warner, Ardmore, Pa. Stone and plaster, 2½ stories, 25x40 feet, shingle roof, hot water heating, electric lighting, tile work, oak floors. Owner is sub-letting all contracts.

PENNSYLVANIA

Contracts Awarded

Residence, Springfield, Pa. Architects, Savery, Schoetz & Savery, Stephen Girard Building, Philadelphia. Owner, Wm. G. MacDowell, 312 South Fortieth street, Philadelphia. Stone and rough cast, 2½ stories, 66x27 feet, slate roof, oak floors, tile work (heating and electric work reserved). Contract awarded to M. Harry Roberts, P. O. Ardmore, Pa.

Residence and Garage, Merion, Pa., \$18,000. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Mrs. Edith C. B. Stuart, City Line and Lancaster avenue. Stone, 2½ stories, 47x32 feet, shingle roof, tile work, metal weather strips, oak floors (heating, plumbing and electric work separate bids). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Apartment House, Eddystone, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Mrs. Athalia Klose, care of Charles A. Shaffer, 414 Penn Square Building, Philadelphia. Hollow tile and stucco, 2 stories, 116x30 feet, slag roof, hot water heating, gas lighting, yellow pine floors, dampproofing. Contract awarded to Wm. Ward, 631 Morton avenue, Chester, Pa.

Church, Sunday School and Parsonage, Wrightsville, Pa., \$25,000. Architect, Edward Leber, York, Pa. Owners, United Evangelical Church, Rev. E. D. Keen, Wrightsville. Brick and terra cotta, 2 stories, church and Sunday School, 63x94 feet; parsonage, 20x48 feet; slate roofs, steam heating, electric lighting, hardwood floors. Contract awarded to George Gilbert, York, Pa.

Residence (alt. and add.), York, Pa., \$5,000. Architect, Edward Leber, Hay Building, York, Pa. Owner, John F. Sharp, York, Pa. Brick, 3 stories, 20x90 feet, slag roof, extension steam heating, electric lighting, tile and hardwood floors. Contract awarded to George Gilbert, York, Pa.

Church, Sunday School and Manse, Womelsdorf, Pa. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Zion Reformed Church, Rev. D. K. Laudenschlager, Womelsdorf, Pa. Stone, terra cotta trimmings, 1 and 2½ stories, 40x120 feet, slate roof, steam heating, electric lighting. Contract awarded to Adam Spatz, Wernersville, Pa.

Residences (2), Rydal Pa., \$14,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. Henry C. Diamond, Rydal, Pa. Stone and frame, 2½ stor-

ies, 50x47 feet, shingle roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to James B. Flounders, 1329 Arch street, Philadelphia, who is taking sub-bids on all lines.

Garages (3), Lancaster, Pa. Architect, M. R. Evans, Lancaster, Pa. Owner, David Rose, Lancaster, Pa. Brick, 1 story, 36x30 feet, slag roof, hot water heating, electric lighting, concrete floors. Contract awarded to Herman Wiant, Lancaster, Pa.

Residence (alts.), West Chester, Pa. Architect, Charles Barton Keen, Baily Building, Philadelphia. Owners, the Misses De Haven, West Chester, Pa. Consists of new bath room. Contract awarded to Plumer E. Jefferis, West Chester, Pa.

Residences (4), Springfield, Pa. Architect, Frank Seeburger & C. F. Rabenold, Pennsylvania Building. Owners, Springfield Real Estate Co., Commercial Trust Building. Stone and plaster, 2½ stories, slate and tile roofs, hot water heating, electric lighting, tile work, oak floors. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Residence, Lyndell, Pa. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, John A. Murphy, Andalusia, Pa. Stone and frame, 2½ stories, 30x50 feet; wing, 20x30 feet; shingle roof, hot water heating, electric lighting. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Garage, West Chester, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, the Misses De Haven, West Chester, Pa. Brick and stucco, 1 story, 21x13 feet, slate roof, cement floor. Contract awarded to J. M. Burns, West Chester, Pa.

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New Jersey Construction News

Residences (4), Annapolis avenue, Atlantic City, \$12,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City, N. J. Owner, Francis M. Cauley, Lincoln Building, Philadelphia. Frame and stucco, 2 stories, 22x30 feet, slate and asphalt roofing, hot water heating, combination lighting, tile floors, dampproofing. Owners will sub-let all contracts.

Residence, Atlantic City, N. J., \$10,000. Architect, Wm. S. Shull, Atlantic City, N. J. Owner, Michael Georgette, 1520 Atlantic avenue, Atlantic City. Brick and stone, 4 stories, 25x60 feet, slate and slag roof, combination lighting, tile, reinforced concrete and hardwood floors. Architect taking bids, due March 21st. Philip G. Hannum, Atlantic City, is figuring.

Stores and Apartments, Madison avenue and Boardwalk, Atlantic City. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Oliver Burke, care of architect. Brick and concrete, 1 story, 29x55 feet, slag roof, electric lighting, reinforced concrete floors. Architect has received bids.

Apartment House, Pacific avenue, Atlantic City, N. J., \$25,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick, stone and reinforced concrete, 3 stories, 50x100 feet, slag roof, hot water heating, combination lighting, tile floors, waterproofing and dampproofing. Plans in progress.

Residence (alt.), Columbia Place, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, H. J. Bergman, 130 Columbia Place, Atlantic City. Plans in progress.

Residence, Atlantic City, N. J., \$6,000. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City. Owner, Charles H. Jeffries, 30 States avenue, Atlantic City, N. J. Brick and frame, 2½ stories, 24x40 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Owner taking sub-bids.

Factory Building, Camden, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, steel and concrete, 7 stories, slag roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing, metal sash and frames, safety treads, elevators. Architects have received bids.

Yardmen's Building, Jersey City, N. J. Architect, private plans. Owners, Pennsylvania Railroad Co., care of C. Massey, superintendent, Pennsylvania Railroad Station, New York City. Brick, 3 stories, 63x24 feet, slag roof, steam heating, electric lighting, safety treads, metal lath, roof ventilators, iron stairs, reinforced concrete floors. Owners taking bids, due March 25th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

High School, Camden, N. J., \$400,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Camden, N. J. Brick, granite, terra cotta, steel and reinforced concrete, fireproof, slate and slag roof, iron stairs, metal lath, kalamein doors, fire doors, roof ventilators, waterproofing, slate blackboards, tile, marble and terrazzo work, yellow pine floors, metal weather strips (heating, plumbing and electric work separate bids). Owners taking bids, due April 5th at 8 P. M. The following are figuring: Cramp & Co., Denekla Building; George A. Fuller Co., Widener Building; Charles McCaul Co., 1713 Sansom street; H. E. Baton, Twelfth and Sansom streets; Stacy Reeves & Sons, 2011 Market street; E. F. Fonder, Land Title Building; Henry L. Brown, 1714 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Roydhouse-Arey Co., Fidelity Building; Irwin & Leighton, 126 North Twelfth street; War-



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131 South 24th St., Philadelphia

ren, Moore & Co., Commercial Trust Building; Thomas Reilly, 1616 Thompson street; W. Beaumont, Stephen Girard Building, all of Philadelphia; George Bachmann, 19 North Thirtieth street; Frank Turner, 828 Broadway; James W. Draper, 436 Haddon avenue, all of Camden, N. J.

Club House, Bridgeton, N. J., \$3,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owners, Conhanzick Country Club, Charles F. Cox, president, Bridgeton, N. J. Frame and shingles, 1½ stories, 41x40 feet, shingle roof, electric lighting. Plans completed. Owners taking bids.

Residence, Bridgeton, N. J., \$6,500. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, John Nolin, Bridgeton, N. J. Hollow tile and stucco, 2½ stories, 25x65 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects will take bids in a few days.

Store Building (alts.), Bridgeton, N. J. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, D. Garfield, Bridgeton, N. J. Consists of interior alterations. Architects taking bids. The following are figuring: George Maier & Bro., Grosceup & Son, and Paul Bateman, all of Bridgeton, N. J.

Church, Hammonton, N. J., \$14,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton. Owners, St. Joseph's R. C. Church, Hammonton, N. J. Brick and stucco, 1 story, 50x120 feet, slate roof, electric lighting, metal lath (heating reserved). Architect taking approximate bids.

Residence, Trenton, N. J., \$12,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, David S. South, 145 East Hanover street, Trenton, N. J.

Brick, 2½ stories, 34x56 feet, slate or tile roof, vapor heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects will take bids in a few days.

Cow Barn, County Farms, N. J. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owners, Mercer County Board of Freeholders, Trenton, N. J. Frame, 2 stories, 78x32 feet, shingle roof, electric lighting, cement floors. Plans completed. Owners will advertise for bids in a few days.

Business School, Trenton, N. J. Architect, Walter Hankin, 28 Delaware View avenue, Trenton. Owners, Rider, Moore & Stewart Schools of Business, 10 South Broad street, Trenton, N. J. Brick, terra cotta and steel, 3 stories, 67x133 feet, steam heating, electric lighting. Plans in progress.

Fire House (add.), Morris Plains, N. J., \$10,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State Hospital for Insane, Morris Plains, N. J. Brick and stucco, 2 stories, 42x34 feet, slate roof, steam heating, electric lighting, reinforced concrete, waterproofing and dampproofing. Plans in progress.

Residence, Whitaker avenue, Trenton, N. J., \$12,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, H. L. Watson, 1320 West State street, Trenton, N. J. Brick, 2½ stories, 42x40 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Architects taking bids.

Residence, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Dr. Leland Kniffin, 726 Riverside avenue, Trenton, N. J. Brick, 2½ stories, 37x40 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors. Owner ready for bids.

NEW JERSEY

Contracts Awarded

Store and Residence, Atlantic City, N. J., \$3,500. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, Samuel Martini, Atlantic City, N. J. Brick, 2 stories, 17x60 feet, slag roof, hot water heating, electric lighting, tile work, limestone trimmings. Contract awarded to Lear & Pipher, Atlantic City, N. J.

Residence, 553 South Broad street, Trenton, N. J., \$5,900. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Jacob Blaugrund, Trenton, N. J. Brick, 2½ stories, 19x52 feet, slate and tin roof, hot water heating, electric lighting. Contract awarded to David Teitz & Son, Trenton, N. J.

Factory, Lincoln avenue, Trenton, N. J., \$3,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Nycoek Machine Co., 190 Jefferson street, Trenton, N. J. Brick and terra cotta, 1 story,

30x60 feet, slag roof, steam heating, electric lighting. Contract awarded to J. Joseph Dragan, 300 Berwyn avenue, Trenton, N. J.

FOREIGN STREET NAMES.

Even when its numbered streets are spelled out, as Two Hundred and Twenty-fifth, for instance, New York has no street names to match in length several with which the old world is afflicted. The Parisian record is Rue des Pretres-Saint-Germain-l'Auxerrois, while a thoroughfare in Brussels rejoices in the name of Rue de la Montagne aux Herbes-Potageres. In the outskirts of the Belgian capital one finds the Ougeschildezilverenoeckormootjestraat, which means simply the Street of the Little Unpicked Silver Nut.—New York "Sun."

Miscellaneous Construction News

Residence and Garage, Guyan Court, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Victor Du Pont, Wilmington, Del. Hollow tile and stucco, 3 stories. Residence, 35x82 feet; garage, 2 stories, 20x30 feet, slate roof, electric lighting, tile work, hardwood floors, damp-proofing (vapor vacuum heating reserved). Architect taking bids, due March 22nd. In addition to those previously reported, Pomerooy Const. Co., 1609 Ranstead street, Philadelphia, is figuring.

Residence (alt. and add.), Philadelphia Pike, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Frank D. Lackey, Ninth and Market sts., Wilmington. Stone, 3 stories; new wing, 65x40 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors, metal lath. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Maryland Construction News

Bank, Emmittsburg, Md. Architect, John B. Harme, Wiest Building, York, Pa. Owners, Emmittsburg Saving Bank, Emmittsburg, Md. Brick, granite and steel, 1 story, 30x75 feet, slate and slag roof, steam heating, electric lighting, tile and hardwood floors, waterproofing and dampproofing, vault equipment. Owners will take sub-bids.

Store (alts.), 112-24 West Fayette street, Baltimore, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Agent, William Martin & Co., 1 North Calvert street, Baltimore. Consists of general interior alterations, electric work, plastering and painting. Plans about completed. Architect will take bids in about one week.

Church, Mt. Washington, Md., \$30,000. Architects, Baldwin & Pennington, 330 North Charles street, Baltimore. Owners, Sacred Heart Catholic Church, Mt. Washington, Md. Stone, slate roof, steam heating, electric lighting. Plans completed. Architect will take bids in a few days.

Cold Storage Plant, Light street, Baltimore, Md., \$6,000. Architect, Otto Kublitz, 11 East Lexington street, Baltimore. Owner, Edward Heinz, 45 Cross Street Market, Baltimore. Brick and concrete, 1 story, 25x50 feet, electric lighting. Plans completed. Architect ready for bids in a few days.

Dairy, northwest corner Huntingdon ave (rear), Baltimore. Architect, Frederick E. Beall, 306 St. Paul street, Baltimore. Owner, Edward L. Kone, 625 West Thirty-third street, Baltimore. Brick and concrete, 1 story, 30x119 feet concrete floors, slag roof, electric lighting, dairy and refrigerating equipment. Plans completed. Owner ready for bids.

Factory, Eastern avenue and Thirty-first street, Canton, Md. Architect, Walter M. Gieske, Gunther Building, Baltimore. Owners, Baltimore Oil Engine Co., Alfred W. Gieske, president, 3-5 East German street. Brick and steel, 1 story, 150x100 feet, composition roof, plumbing. Plans about completed. Architect will take bids in a few days.

Hotel, northeast corner Light and German streets, Baltimore, \$750,000. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Southern Hotel Co., Melville H. Carter, president, Calvery Building. Brick, granite and terra cotta, 14 stories, 93x148 feet, tile roof, steam heating electric lighting, terrazzo, marble and tile work, show-

er baths, vacuum cleaning system. Plans in progress.

Warehouse and Pier, Fourth street, Canton, Baltimore. Engineer, private plans. Owners, Canton Co., Water and Commerce streets, Can-

ton. Warehouse, 1story, 300x40 feet, slag roof, concrete floors, reinforced concrete; pier, timber piling and concrete, 75x500 feet. Plans in progress. Owners will take bids in about one month.

MARYLAND

Contracts Awarded

Office Building, Baltimore, Md., \$100,000. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Sun Life Insurance Co., 900 North Eutaw street, Baltimore. Granite base, brick, terra cotta and steel, fire-proof, 4 stories, 64x74 feet, steam heating, composition roof, electric lighting, elevator, marble and tile work. Contract awarded to H. D. Watts Co., Baltimore, Md.

Boiler House, Sparrows Point, Md. Engineer, private plans. Owners, Maryland Steel Co., on premises. Brick and concrete, 1 story, electric lighting. Contract awarded to P. J. Cushen, 217 St. Paul street, Baltimore.

Baltimore, Dock and Caroline streets, Baltimore, Architect, private plans. Owner, Wm. C. Robinson & Son Co., 32 South street, Baltimore. Brick, 1 story, 23x39 feet. Contract awarded to Consolidated En. Co., 32 South street, Baltimore.

Chapel (add.), St. Paul and Twenty-fourth streets, Baltimore. Architects, Ellicott & Em-mart, Union Trust Building, Baltimore. Owners, Goucher College, Wm. S. Guth, president, on premises. Stone, 3 stories, slate roof, steam heating, electric lighting, plumbing, tile work. Contract awarded to B. F. Bennett Building Co., 123 South Howard street, Baltimore.

Foundations, Loney's lane and Biddle street, Baltimore. Architects, Blanke & Zink, Equitable Building, Baltimore. Engineer, Wm. C. Schanble, Baltimore. Reinforced concrete, 30x36 feet and 70x16 feet. Contract awarded

to Singer Pentz Co., 600 Equitable Building, Baltimore.

Library, Twentieth and Wolfe streets, Baltimore, \$20,000. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owners, Enoch Pratt Free Library, Bernard G. Steiner, librarian, Mulberry street, near Cathedral street. Brick, 1 story and basement, 57x83 feet, slate roof, tile work, ventilators, steel work (steam heating and electric work reserved). Contract awarded to R. B. Mason, 308 West Madison street, Baltimore.

Warehouse, 119-33 Denver street, Baltimore. Architects, Sparklin & Childs, Law Building, Baltimore. Owners, Wm. F. Zeller & Co., on premises. Brick and reinforced concrete, 2 stories, 70x115 feet, slag roof, reinforced concrete floors, steam heating, electric lighting, freight elevator, steel frames and sash, steel rolling doors, plumbing. Contract awarded to West Const. Co., Knickerbocker Building, Baltimore.

Y. W. C. A., 126-28 Franklin street, Baltimore. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owners, Y. W. C. A., Miss I. F. Harmon, secretary, Baltimore. Brick, 6 stories, 69x141 feet, tile and slag roof, concrete dampproofing, steel and iron, skylights, fire doors, terrazzo, tile, marble work, heating, electric work and refrigerating equipment, kitchen equipment, 3 electric elevators. Contract awarded to George A. Fuller Co., Munsey Building, Washington, D. C.

Alan G. Smith (O), 6490 Woodbine avenue. Cost, \$4,000. Dwelling, Sixtieth and Coleman streets. Stone and brick, 2 stories, 22x49 feet.

Marshall & Gorman (O), 8 South Fifty-second street. Cost, \$164,000. Sixty-four stores and dwellings, brick, 2 stories, 15x42 feet, Fifty-eighth and Larchwood avenue.

Anne Rosenblatt (O), 422 Pine street. A. P. Lucker (C), 1727 North Fifty-first street. Cost, \$1,800. Dwelling, brick, 3 stories, 17x34 feet, 540 Lombard street.

A. Weise (O), Germantown avenue and Fox Chase road. H. A. L. Smink (C), 5320 North Twelfth street. Cost, \$4,700. Dwelling, brick, 2 stories, 36x32 feet, Krewstown and Fox Chase road.

H. Dolfinger (O), Sixteenth and Tasker streets. Wm. Dougherty (C), 1610 Sansom street. Cost, \$8,000. Stable, brick, 2 stories, 32x105 feet, 1516-18 South Bancroft street.

Walter V. Ashby (O), 2640 North Twentyninth street. Cost, \$29,000. Eleven dwellings, brick, 2 stories, 16x40 feet, Sixty-sixth avenue and Limekiln pike.

Joseph A. Blair (O), 4523 North Eighth street. Cost, \$37,800. Eighteen dwellings, brick, 2 stories, 15x42 feet, Fifteenth and Courtland streets.

Edwin Stall (O), 5430 Water street. Cost, \$21,600. Ten dwellings, brick, 2 stories, 14x38 feet, Tennie avenue and Tabor street.

Harry H. Heist (O), Sixty-fifth avenue and Limekiln avenue. Cost, \$42,500. Seventeen dwellings, brick, 2 stories, 16x40 feet, Sixty-sixth avenue and Limekiln avenue.

Alterations and Additions

Pietro Mazzalo (O), 606 Elymer street. Santi Cossa (C), 823 South Mildred street. Cost, \$800. Store and dwelling, 1142 Annin street.

Drew & Apsley (O), 1802 South Fifty-eighth street. Cost, \$800. Garage, Edgewood and Vine streets.

A. Egner (O), 2222 Brandywine street. M. Leahan (C), 638 North Twenty-third street. Cost, \$1,000. Store, 715-717 North Twenty-fourth street.

Alan G. Smith (O), 6490 Woodland avenue. Cost, \$4,000. Shop, Sixtieth and Colman streets.

Wm. McLean (O), Bulletin Building. Doyle & Co. (C), 1524 Sansom street. Cost, \$500. Office building, Juniper and Filbert streets.

Berg Bros. (O), Tenth and Market streets. O'Meara Const. Co. (C), 253 South Quince street. Cost, \$1,300. Department store, Tenth and Market streets.

Charles Sweeney Estate (O), 214 North Seventeenth street. John Howdens Son (C), 246 North Sixteenth street. Cost, \$364. Dwelling, 1605 Race street.

Morris Lang (O), 521 Bourse Building. Max Kane (C), 871 North Sixth street. Cost, \$700. Store and factory, 311 Market street.

David Brein (O), 715 South Fourth street. J. Copeland (C), 1645 North Eighth street. Cost, \$500. Store and dwelling, 713 South Fourth street.

Wm. Rosoff (O), 535 Bainbridge street. Fred Quate (C), 1323 Snyder avenue. Cost, \$3,200. Store and dwelling, 513 Bainbridge street.

James Kerr (O), 1739 North Mascher street. John Schuster (C), 3552 North Fifteenth street. Cost, \$1,000. Dye house, 1410 East Oxford street.

Mrs. Monales (O), 5720 Thomas avenue. M. W. Richey (C), 5008 Pentridge avenue. Cost, \$400. Store, 3724 Irving street.

R. Kenworthy (O), 5632 Ridge avenue. Brown Const. Co. (C), 4600 Main street. Cost, \$400. Dwelling, 5632 Ridge avenue.

(Continued on page 210.)

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Wm. Reidinger (O), 3547 Germantown avenue. John Schuster (C), 3532 North Fifteenth street. Cost, \$4,000. Store and dwelling, brick, 2 stories, 20x57 feet, Fifth and Rockland streets.

Midvale Steel Co. (O), 4300 Wissahickon avenue. Barclay White Co. (C), Perry Building. Cost, \$125,000. Machine shop, brick, 1 story, 290x183 feet, 4300 Wissahickon avenue.

W. O. Mahan (O), 4817 Old York road. Cost, \$14,500. Seven dwellings, brick, 2 stories, 14x45 feet.

Raymond & Kilpatrick (O), 1523 Snyder avenue. Cost, \$50,800. Twenty-eight dwellings, brick, 2 stories, 14x38 feet, 2600 South Eleventh street.

John T. Clasby (O), 4263 North Ninth street. Cost, \$2,800. Two dwellings, 4306-8 Darien street. Brick, 2 stories, 14x33 feet.

V. Valentine (O), 1922 Lombard street. R. G. A. West (C), 8220 Buist avenue. Cost, \$2,000. Dwelling, 714 South Sixteenth street. Brick, 3 stories, 16x30 feet.

Lewis A. Scott (O), 1806 Locust street. James Johnson (C), 1721 Ludlow street. Cost, \$45,000. Garage, 232x38 North Juniper street. Brick, 4 stories, 68x110 feet.

Charles F. Ceighton (O), Oak Lane. A. E.

Voigt (C), 6108 North Tenth street. Cost, \$3,000. Dwelling, Camac and Medary streets. Frame, 2 stories, 25x34 feet.

B. F. Zimmerman (O), 7660 Frankford avenue. Cost, \$8,400. Four dwellings, Solly avenue and Craig street. Stone and brick, 3 stories, 16x38 feet.

West Philadelphia Hospital (O), 4035 Parrish street. F. L. Hoover & Sons (C), 1023 Cherry street. Cost, \$70,000. Hospital, 4035 Parrish street. Brick, 2 stories, 93x47 feet.

J. Charles Yunda (O), 301 Tabor road. Cost, \$7,200. Four dwellings, Fairhill and Lindley streets. Brick, 2 stories, 15x36 feet.

Philadelphia Electric Co. (O), Tenth and Chestnut streets. Fidelity Const. Co. (C), 1215 Filbert street. Cost, \$22,000. Office building, Schuylkill avenue and Christian street. Brick, 2 stories, 30x23 feet.

J. Henry Parker (O), Fifth and Loudon streets. Cost, \$52,600. Eighteen dwellings, Sixteenth and Lindley avenue. Brick, 2 stories, 15x46 feet.

B. Eschner (O), 1220 Spring Garden street. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$45,000. Manufacturing building, 1220-24 Spring Garden street. Stone, brick and terra cotta, 5 stories, 54x100 feet.

Bell Phone, Spruce 6612. Keystone Phone, Race 2799

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Editorial Comment

One of the big steel concerns, engaged in the manufacture of steel sash, went to the trouble to secure opinions from 6,000 architects throughout the country on the question of winter building. More than half of all the architects approached expressed themselves as being in favor of building during the cold weather. One widely known architect, a New Yorker, stated:

"We make it a habit to build in the winter time because the last building we erected then was built at approximately ten per cent. reduction in the cost of materials and labor."

The company that made the canvass to ascertain how architects stood on the question is now launching an extensive campaign to persuade building owners to release contracts at once instead of waiting, as per custom, for the warm weather.

What is your own opinion as to the prudence of winter building?

* * *

The National Flower Show, which is to open in Philadelphia on March 25th, will be made notable by a series of lectures to be delivered by prominent architects, horticulturists and city planning experts from other cities.

A few of the afternoon speakers and their subjects are as follows: March 25, W. N. Rudd, of Chicago, "Home Grounds;" March 27, Prof. E. A. White, of Cornell University, "What Science Has Done for Floriculture;" March 28, Robert Pyle, of West Grove, "Roses;" March 29, J. Horace McFarland, of Harrisburg, president of the American Civic Association, "Civics for Home and Municipality;" March 30, J. tto Thiow, "Flowers from Snow to Snow;" March 31, Frank N. Meyer, of Washington, representing the Department of Agriculture, "Agricultural Exploration in China;" April 1, Arthur Cowee, of Berlin, N. Y., "Gladiolus."

The evening speakers so far secured are Richard Rothe, who will speak on "Rock Gardens" and show the motion pictures of last season's rose carnival at Portland, Ore.; Miss Caro Miller, on "Philadelphia School Gardens;" E. J. Wildey, of State College, on "Bulbs for Summer Bloom," and Max Schling, of New York, who will demonstrate "Cut Flowers in Proper Color Combinations."

* * *

The circular has just been issued for the "Walter Cope Memorial Prize Competition." It is given by Mrs. Walter Cope in memory of her husband, who was one of the founders of the T-Square Club. It consists of a first prize of \$100, a second of \$60 and a third of \$35, to be spent by the winners for books on architecture.

The competition is open to all those who, for one year previous to February 1, 1916, have been residents of Philadelphia or within a radius of 25 miles from City Hall. The drawings submitted shall be in accordance

with the requirements of the program, at the scales given, and no drawings other than those shall be submitted. The arrangement of the drawings on the sheets is left to the discretion of the designer, as also is the question of mounting. All drawings must be delivered at the T-Square Club not later than Monday, April 24, at 3 P. M.

* * *

Much thought is being spent at the present time by housing commissions, welfare workers and architects on the problem of providing houses for workingmen at moderate rentals, while at the same time obtaining an adequate income return to owners who may invest their money in such properties.

The object of the program proposed by the committee is to bring under the consideration of the competitors this problem in its general aspects. As it is essential, however, for the end in view, that the land selected as the site of the proposed houses be suitable both as to location and price, the committee has chosen a certain available lot, near the Midvale Steel Works. For the purposes of this competition the land may be considered as entirely flat.

Competitors may divide the lot by one or more streets. In distributing the houses, due consideration should be given to the orientation of the houses, as well as the new park to be opened by the city on the east side of Abbotsford street.

The lot in question comprises 2.7 acres of land, the whole lot being worth \$36,000. On this area the competitors may lay out as many houses as they choose, either individual, or in groups of contiguous units, keeping in mind, however, that as many open spaces as possible should be left, while fulfilling the condition of an adequate income return.

* * *

The gross annual rentals from the whole property should amount to not less than 10 per cent. of the total investment, including land and houses. Rentals shall be computed on the following monthly basis:

A. Two-story, two-family houses, with apartments to rent for \$9 and \$12, respectively.

B. Two-story, single family houses, to rent for \$13 and \$15, respectively.

C. Two-story houses, store on first floor and dwelling on second floor. Store, \$25; dwelling, \$12.

Of Class C there should be not more than eight in the whole area.

The cost of the houses shall be computed on the following basis:

Individual houses, or contiguous houses in small groups up to and including four, 14 cents a cubic foot.

Contiguous houses in groups of five or more, 12 cents a cubic foot.

Houses are to be cubed from cellar floor to

second floor ceiling, unless pitched roofs are used, in which case the cubage shall include one-third of the roof height.

As regards income, each house must be considered as a self-supporting unit.

The competitors should bend their energies to using inexpensive materials in a decorative way. No houses that are manifestly beyond the limit of cost allowed per cubic foot will be considered by the committee.

Due regard must be paid to the city building regulations.

Required for final drawings are the following: Block plan of the whole area at 1-16 inch to the foot; bird's eye view; first and second floor plans of house-types "A," "B" and "C" at 1/8 inch to the foot; front elevation of individual house or group unit of each type at 1/8 inch to the foot, and the drawings must be grouped on a sheet 30 inches by 40 inches by 52 by 62 inches.

For further information regarding the above write to John Molitor, chairman of committee, 130 South Fifteenth street.

* * *

Building operations throughout the country, as reflected by the summaries of permits issued in the principal cities, made an altogether satisfactory showing for the month of February. The comparative statement with January is also gratifying. According to official figures received by "The American Contractor," New York, the building permits granted during February in seventy-six of the largest cities of the country totaled \$53,219,098, as against \$44,280,506 for February last year, an increase of 20 per cent. In actual figures February exceeds January, the aggregate of which was \$51,697,497, although January's increase in percentage over January, 1915, was 35. The comparative gains are widely scattered and are not chargeable, as they are sometimes, to special activities in the larger cities. Of the seventy-six cities on the list, fifty-four show gains. In spite of the most active efforts being made in New York to radically readjust its construction policies, that city shows only a slight comparative loss as against February last year.

The combined showing for January and February is excellent, a total of \$103,086,065, as compared with \$81,512,340 for the first two months of 1915, an increase of 26 per cent.

* * *

The districting of the city for the purpose of segregating buildings according to use; the regulating of the height of buildings and the regulating of the area of courts and yards are the principal features of the tentative report submitted by the Commission on Building Districts and Restrictions in New York City.

"The temper in which the Commission has done its work is wholly commendable," according to the "Real Estate Record." "It was not biased by unsound social or economic theories. The objects which it has sought to achieve and the general principles by which it has been guided must be acceptable to all classes of the community.

"However, these general principles are few

and simple, while the conditions to which they have had to be applied are extremely complex. Sharp differences of opinion will no doubt arise over particular recommendations. But the spirit in which the Commission has done its work entitles it to expect co-operative and constructive, instead of destructive, criticism.

"Unfortunately, the Commission has not in its report supplied the data necessary to facilitate such criticism. It does not as a rule give the practical considerations which determined particular recommendations. There is, for example, no information upon which we can base an opinion as to how the tax levy of the city will be affected by the restrictions imposed upon the height of buildings.

"Nearly three-fourths of the total taxable land value of the city is concentrated in Manhattan. Is the taxable land value in this borough likely to be greatly decreased? In other words, will a very large proportion of the land in Manhattan not only depreciate in capital value, but also be required to pay a higher tax? Will the city's income be affected?

"There are other questions of importance raised by the Commission's recommendations concerning which its report offers no answer; and as matters now stand such questions will have to be given long and careful study without the benefit of a full knowledge of the Commission's line of reasoning. The absence of such reasoning is a disappointing feature of the report.

"Yet, in taking up the study of the Commission's recommendations, we propose to keep in mind this sentence, from its report: 'A city can, if necessary, accommodate itself to the crudities and imperfections of a physical plan, just as it can adapt itself to the rivers, hills and valleys that form its physical environment.' We have had enough of haphazard city development."

* * *

That's a novel and commendable idea which has been adopted at the architectural school of Columbia University—that of appointing architects of established reputation as a committee of visitors to check up scholastic results by professional standards. The following well-known architects have been named for Columbia by the organizations mentioned:

New York Chapter of the American Institute of Architects—Bertram G. Goodhue, Charles A. Platt and Edgerton Swartwout; Society of Beaux-Arts Architects—Thomas Hastings, Henry F. Hornbostel and Lloyd Warren; Alumni Association of the School of Architecture of Columbia—Goodhue Livingston, John Russell Pope and I. N. Phelps Stokes.

* * *

The New York "Sun" is not pleased with the daylight appearance of the ugly framework of the electrical signs that are a feature of that city's night life.

"New York's justly praised electrical display at night," says the "Sun," "is not gained without cost to the city's beauty at

other times. The stretch of city blocks that shines so brilliantly at night is a sorry skeleton in the day time with its gaunt iron structures shooting up meaninglessly from the rooftops."

ARCHITECTURAL NOTES.

Edwin Brumbaugh, son of Governor Martin G. Brumbaugh, of Pennsylvania, has opened an office for the practice of the profession of architecture, in the Real Estate Trust Building, Philadelphia, Pa. He is a graduate from the School of Architecture of the University of Pennsylvania and was the winner of the faculty medal and other prizes while a student at that institution. Since his graduation he has been connected with the offices of several prominent architects in Philadelphia and was lately chief draughtsman in the office of Charles Barton Keen.

* * *

Eugene H. Knight, architect, formerly connected with the office of William C. Weston, has opened offices for the independent practice of his profession in the Brown-Marx Building, Birmingham, Ala., and desires samples from manufacturers interested in the building trades. He was formerly connected with Henry Hornbostel, of New York City.

* * *

Howard F. Daily, architect, has opened offices for the practice of his profession at 7 East Main street, Amsterdam, N. Y., and desires samples and catalogs from manufacturers interested in the building trades.

* * *

Martin C. Parker, architect, has opened an office for the general practice of his profession in the Alexander Building, Beaumont, Texas, and desires samples from jobbers and manufacturers.

* * *

J. P. Wells, consulting hydraulic and sanitary engineer, has moved his offices from the Exchange Place Building to the Cutler Building, Rochester, N. Y.

* * *

Charles F. Schweinfurth, architect, has moved his offices from the New England Building to Garfield Building, Cleveland, Ohio.

Without energetic effort a man must remain in a rut and can never expect to share with his hustling, up-to-date competitor. Quoting the words of a gifted scribe: "Health attends the man who acts. Wisdom guides him. Hope frees him. Joy helps him. Power moves him. Progress marks him. Fame follows him. Wealth rewards him. Love chooses him. Fate obeys him. God blesses him. Immortality crowns him."

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WATERPROOFING BACKS OF WOOD FINISH IN CONCRETE BUILDINGS.

In connection with the wood finish of some concrete buildings on the Pacific Coast trouble was experienced by a California builder with the moisture coming out of the cement and warping the woodwork, and request was made of "The Painters' Magazine" for a formula for a paint that would waterproof the back of the wood finish.

The following reply was furnished by the magazine in question:

"The very best and probably the only means to keep the wood from being affected by the moisture coming from the source mentioned is to dissolve one part by weight of paraffin wax in two parts by weight of heavy coal tar oil, also known as heavy naphtha, which is readily obtainable in your State. As paraffin wax has a melting point between 118 degrees and 130 degrees F., the solution can be made by steam heat without fire risk. It should be used fairly warm and several applications made.

"However, even by the use of this moisture-shedding preparation, you cannot guarantee to keep the wood from warping, when the walls are not entirely dry or when moisture percolates through from the exterior of the walls. Even if the walls were waterproofed on the inside by painting, the moisture coming through from the outside is apt to throw off the paint back of your wood finish."

Lots of men don't advertise because they cherish an idea it's too expensive. As a matter of fact, it's the cheapest good investment a man can put his money in, as hundreds of successful men have learned.

ALTERATIONS AND ADDITIONS.

(Continued from page 207.)

Samuel Weiner (O), 927 North Fourth street. J. Copeland (C), 1645 North Eighth street. Cost, \$1,100. Store, 608 South Fourth street.

Ed. Hutchinson, Jr. (O), 132 South Thirteenth street. S. Bennett & Sons (C), Drexel Building. Cost, \$2,150. Rooming house, 1734 Mt. Vernon street.

Fidelity Trust Co. (O), Fourth and Chestnut streets. A. P. Fraim (C), 319 Market street. Cost, \$1,100. Manufacturing building, 34 North Fourth street.

Henry Disston Sons Co. (O), Tacony, Pa. M. Magee & Co. (C), 1600 North Front street. Cost, \$4,000. Manufacturing building, Milnor and Unrush streets.

W. L. Talbot (O), 6730 North Thirteenth street. C. L. Hemmerly (C), Oak Lane, Pa. Cost, \$1,875. Garage, 6730 North Thirteenth street.

H. K. Mulford (O), 426 South Thirteenth street. T. M. Seeds (C), 1207 Race street. Cost, \$730. Factory, Eleventh and Christian streets.

Steward & Stevens (O), 1716 North Ninth street. Cost, \$2,000. Storage, 1721 North Ninth street.

M. A. Smyth (O), 258 South Third street. J. R. Jackson (C), Perry Building. Cost, \$4,400. Garage, 257 South Orianna street.

E. C. Roofs (O), 3310 Powelton avenue. Cost, \$300. Dwelling, 3310 Powelton avenue.

Chris. Weiss (O), Sixth and Girard avenue. A. Hayes Laundry (C), Gratz and York sts. Cost, \$350. Store and shop, 1015 North Marshall street.

L. Cohen (O), 330 Queen street. N. Lehman (C), 920 Wolf street. Cost, \$375. Dwelling, 330 Queen street.

George O. Suddards (O), 6301 Drexel road. M. W. Young (C), Overbrook, Philadelphia. Cost, \$1,600. Garage, 6301 Drexel road.

Robt. Killough (O), Wayne avenue and Duval street. Cost, \$21,000. Three dwellings, stone, 3 stories, 26x40 feet, Greene and Horter streets.

Gustave Soelle (O), G and Robinson avenue. M. Stevens (C), 910 Fanshaw street. Cost, \$5,000. Dwelling, stone, 2 stories, 33x43 feet, Shelbourne and Levick streets.

Jennie Effinger (O), Brantwood Apartments. Ketcham & McQuade (C), 1029 Brown street. Cost, \$82,000. Theatre, brick, 1 story, Germantown avenue and Venango street.

Mellvain & Co. (O), Land Title Building. Metzger & Fisher (C), Denekla Building. Cost, \$200,000. Office building, brick and concrete, 12 stories, Sixteenth and Sansom streets.

A. Holmes & Son (O), Allegheny avenue and A street. M. Ward Easby (C), 1420 Chestnut street. Cost, \$15,000. Manufacturing building, Allegheny avenue and A street.

Rev. Richard F. Hanagan (O), Fifty-second and Media streets. Wm. J. Klinke (C), 628 Siegel street. Cost, \$500. School, 5100 Lancaster avenue.

James Moran (O), 743 South Ninth street. A. Puntillo (C), 638 Christian street. Cost, \$1,120. Store and dwelling, 715 South Eighth street.

Charles F. Felin (O), 609 North Hortter street. J. M. Dear (C), 4544 Greene street. Cost, \$400. Dwelling, 609 West Hortter street.

H. Wetherstine (O), Newhall and Hansberry streets. Charles Johnson (C), 5701 Boyer street. Cost, \$2,000. Dwelling, 5613 Greene street.

Mrs. A. Pitavlonis (O), Almond and Ontario streets. Joseph Gass (C), 2528 East Cambria street. Cost, \$300. Store and dwelling, Almond and Ontario streets.

Joseph Solok (O), 3869 Poplar street. H. Welson (C), 727 Reid street. Cost, \$1,300. Store and dwelling, 1912 South Seventh street.

W. W. Harrison (O), 119 North Eleventh street. E. E. Hollenback, Inc. (C), Fifteenth and Race streets. Cost, \$2,975. Store, 713-15 North Broad street.

Wm. C. Williams (O), 102 East Haines street, Germantown. E. A. Heffner (C), 6361 Jefferson street. Cost, \$800. Dwelling, 6018 McCallum street.

Frank Weiderman (O), 5514 North Third street. Cost, \$350. Garage, 5514 North Third street.

Philadelphia Steel and Forge Co. (O), Milnor and Bleigh streets. Belmont Iron Works Co. (C), Twenty-second and Washington avenue. Cost, \$1,000. Milnor and Bleigh streets.

Lewis Taulane (O), Ninth and Walnut sts. H. C. Dahl (C), 231 South Eighth street. Cost, \$350. Storage, 114 Spruce street.

Drew & Apsley (O), 1801 South Fifty-eighth street. Cost, \$600. Store and dwelling, Vine and Edgewood streets.

Philadelphia and Reading Railroad Co. (O), Twelfth and Market streets. Cost, \$890. Locker rooms, Fairmount avenue and Philadelphia and Reading Railroad.

Church of the Brethern (O), Carlisle and Dauphin streets. D. C. Moyer (C), 2344 North Carlisle street. Cost, \$350. Church, Carlisle and Dauphin streets.

General Manufacturing Co. (O), Swanson and Snyder avenue. H. P. Friend (C), Norristown, Pa. Cost, \$1,000. Manufacturing building, Swanson street and Snyder avenue.

Charles C. Kinney (O), 1028 Lindley avenue. John Schuster (C), 3552 North Fifteenth street. Cost, \$1,000. Store and dwelling, Marvin and Venango streets.

M. Harris (O), 7003 North Twelfth street. Charles J. Appleton (C), Heed Building. Cost, \$700. Garage, 7003 North Twelfth street.

Henry F. Ortlich (O), 845 North Third street. Koelle Speth Co. (C), Twenty-sixth and Oxford streets. Cost, \$800. Garage, 849 North Third street.

Morris Tubin (O), 222 Ritner street. Cost, \$400. Store and dwelling, 222 Ritner street.

Harry Boyer (O), 4304 Mitchell street. D. Christian (C), 2460 Douglas street. Cost, \$400. Grand stand, Walnut lane and Ridge avenue.

George W. Carpenter Estate (O), 133 South Fifth street. J. H. Rea (C), 1019 Appletree street. Cost, \$685. Store, 1103 Arch street.

R. L. Perot (O), 5151 Wissahickon avenue. Elfreth & Co. (C), 1708 Sansom street. Cost, \$1,625. Garage, 5151 Wissahickon avenue.

Morris Solomon (O), 620 North Third street. Silberman & Teitelman (C), 308 North American street. Cost, \$600. Dwelling, 620 North Third street.

Dr. Wm. J. Ryan (O), Forty-fifth and Catherine street. Phila. Glassman (C), 613 South Sixtieth street. Cost, \$550. Garage, Fifty-fifth and Catherine streets.

George Watson (O), Thirteenth and Wood streets. Herman Voigt (C), Twenty-eighth and Thompson streets. Cost, \$3,500. Garage, 1231 Wood street.

C. A. Shedaker (O), Manheim and Schuyler streets. E. Carmel (C), Germantown. Cost, \$1,600. Garage, Schuyler and Manheim street.

Shaffer (O), West End Trust Building. S. Vellin (C), 3125 Montgomery avenue. Cost, \$1,000. Rooming house, 1603 Morris Building.

T. Gannon (O), 319 Rector street. James King (C), 6462 Ridge avenue. Cost, \$400. Garage, 319 Rector street.

Dr. Charles B. Hollis (O), 1630 North Eleventh street. H. Hazlett & Sons (C), 1701 North Twentieth street.

Cavanna & Co. (O), 41 South Water street. Brownworth & Co. (C), 1611 Sansom street. Cost, \$400. Manufacturing Building, 41 South Water street.

Mrs. Elizabeth Kischer (O), 4901 Knox street. H. E. Sweager (C), 4435 North Uber

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C There is nothing more dignified or elegant than our large Weatherproof Fiber Cardboard Signs. Easy to carry, quick to place, not greasy, more serviceable than wood or iron, impervious to all weather conditions and cost from 8 to 20 cents apiece—in lots of one hundred.

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street. Cost, \$1,200. Store and dwelling, 4821 Greene street.

Pamonia Beneficial Co. (O), 709 Franklin street. F. A. Havens Co. (C), 845 North Nineteenth street. Cost, \$7,500. Club house, 709 North Franklin street.

S. C. Krause (O), 512 South Fifth street. Harry Miller (C), 427 Catherine street. Cost, \$1,350. Store, 1112 North Fortieth street.

Baldwin Locomotive Works (O), Broad and Spring Garden streets. Steward & Stevens (C), 1716 North Ninth street. Cost, \$4,000. Storage, Twenty-eighth and Pennsylvania avenue.

Joseph Burak (O), 932 McKean street. Hand & Sloan (C), 1013 McKean street. Cost, \$600. Store and dwelling, 1944 South Tenth street.

Nicholas Dombach (O), Ninth and Pike streets. Fleischer & Silberman (C), 1220 North Mascher street. Cost, \$800. Saloon and dwelling, Ninth and Pike streets.

Mrs. Lyons (O), 6008 Walnut street. Warren E. Biscoe (C), 3954 Ludlow street. Cost, \$500. Store and dwelling, 625 South street.

Sol Green (O), 1024 South Fourth street. H. Wilson (C), 727 Reed street. Cost, \$1,000. Bakery and dwelling, 1024 South Fourth street.

M. Schindler (O), 2406 North Front street. M. Bakst (C), 1540 North Sixth street. Cost, \$800. Store, 2406 North Front street.

Francisco Temasco (O), 1304 Wharton street. Cost, \$500. Store and dwelling, 1304 Wharton street.

Morris Wolf (O), Land Title Building. Basch & Co. (C), 1426 South Front street. Cost, \$490. Store and dwelling, Fifty-second and Chestnut streets.

Wm. G. Walton (O), 4533 North Twentieth street. George E. Pierson (C), 4507 North Twentieth street. Cost, \$700. Machine shop, 4444 Germantown avenue.

EXPERT TALKS TO T-SQUARE MEN

John Lofting, Jr., of London, Eng., Tells Value of Quantity Surveying.

At the regular meeting of the T-Square Club, held at the club house, on South Quince street, Philadelphia, last Wednesday evening, John Lofting, Jr., member of the Quantity Survey Association of London, Eng., addressed the meeting on "Quantity Surveying," about which he said it was the only method that would be devised by a committee of architects and builders who sought to cut out waste effort in building operations and to assure fair and profitable dealings between owner, architect and builder. That it does accomplish these things, he said, is proved by its continued use in England for nearly 75 years.

The fundamental principles of quantity surveying is that the quantities of work involved in a building operation shall be accurately determined by a single responsible party and shall be furnished for use in determining the contract price for the original design, and later that the quantities involved

in changes shall be furnished for the valuation of all changes. In other words, the quantity surveyor supplies accurate quantities for every purpose from the start to the finish of a job.

Mr. Lofting pointed out the advantages of quantity surveying in getting preliminary estimates, which, he said, not only relieved the architects of any obligation to the builders, but it also avoided draughting room expense and delays caused by reasons made necessary by bids overrunning the appropriation. In a word, the preliminary service has a real money value to the architect and to client, and obviates contractors giving their time without pay.

The main service of the quantity surveyor comes when the final design is made and the specifications prepared. He then takes off accurate detail quantities in each trade separately and supplies them in itemized lists called bills of quantities, ready for pricing. These are given to the contractors competing for the job, to be used in making up the bid, which necessarily causes a great saving of labor to the contractor and assures accuracy for all.

Mr. Lofting presented many other strong points in its favor and made his talk most interesting and instructive.

EXPENSIVE ERRORS IN BUILDING PLANNING.

When a structure is designed and erected for a specific purpose, it is oft times difficult to alter it so that other lines of business can occupy the premises to advantage. Or course, there have been many instances where this has been done to advantage, notably old-time stables and churches have been converted into garages and moving picture theaters.

Knowing that there is a constant shift of population, that business centers are continually moving, a property owner will do well to look far ahead in the planning of his building and see if there is not a possibility of so planning his structure that, should the occasion arise, alterations could be made, at the minimum expense, so that he may be able to keep abreast of the times.

Usually there are several forces acting to induce the owner to build to the greatest possible extent. The real estate agent desires to make the property attractive, so he figures a big rent roll from a large area of floor spaces; the architect has somewhat similar ideas of propriety and is anxious to obtain the best possible return to his client, so he plans every possible square foot of floor space, front, rear and interior; light, shaded and

dark, and the builder clinches the argument in the general interest of building as much as possible, on the ground that it is cheaper to build by the cubic yard than by the cubic foot.

Thus the site becomes covered with as much building as possible; a fundamental error. Space, irrespective of light, air and access, is of no value at all, but acres of expensive floors have been and are being added on the basis that it is. The stolen light is, of course, responsible for much of this mistaken attitude. When a box of a building can be run up on a site occupying 85 per cent. of the area, it looks like a lot of valuable property on each floor. Much of its interior is, however, dependent for light on side windows overlooking abutting property. Usually this is built upon later, and then the space inside the building is darkened and its value lessened.

As in the other lines of decision the less the commitment the less the effect of a mistake. Property owners think or are led to think that by excessive building to-day they can capitalize the increase of value of a site in the future. That view is reflected in the design of some modern skyscrapers, and many continue unless people learn the fact that such a process does not work.

In a crowded city, excess building can go in one direction only which involves an additional rate of expense in cost of every part of a building and a permanent addition to the operating charges.

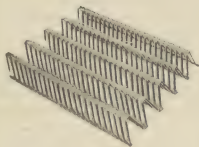
There are fundamental facts which every owner should assimilate, and, if he wants proof of it let him, when contemplating a new building, prepare three plans—one for a one, two or three-story building, one for a twelve story building and one for a skyscraper, all of equal character and plain—and take prices.

He will find the cost per cubic foot on per square foot of area that can be occupied will increase in proportion to height from the street and the proportionate depth below which are involved.

If he looks into the details of operating cost he will find that the major portion of a tall building is not earning money to pay for its own cost and that the real support comes from the street level or a few floors above.

Without the upper stories he would have no elevator travel, no pumps for water and lessened costs of upkeep, operation and maintenance throughout.

In the excessive building he will perhaps have been led into spending tens of thousands of dollars upon expensive power machinery, entering into business of a totally different character to real estate, in order to give away electricity to his tenants as an inducement, really contributing a reduction in their rents, besides giving them steam to waste as they please, shades and awnings, window cleaning and office cleaning, sanitation, hot and cold water, elevator service, cooling fans, iced water, janitor service, police, rest rooms, roof garden, nearly every convenience conceivable, except providing free cigars and matches. Even a club may have to be pro-



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vided to make the building attractive, and may have to be supported if it does not prove a success.

Then, after the owner feels that everything is serene, along comes the tax commissioner and whoops up the land assessment on the same basis of anticipation of future increment of value, and the city taxes eat up the increment at the rate of one-thirtieth part yearly.

We have beaten the world in skyscraper construction, and have had the best opportunity to learn all about them, and by now it seems time to call a halt.

These considerations apply markedly to over-building in the vertical direction, but in a measure apply also to all classes of structures.

If an office sixteen feet deep will rent for as much as another twenty feet deep, there is no value in the four feet of extra building space.

If a loft can be lighted naturally by raising the ceiling, and will rent better as a result, the extra space may be well worth constructing.

But if the same result can be brought about by keeping the same ceiling height and reducing the dark interior space, then the extra investment will be saved and better returns secured.

Therefore, the fundamental principle in the problem of the building is:

The least possible amount of building for the highest rates of revenue.—New York "Record and Guide."

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**The circular of information for the 22nd Architectural Exhibition of the Philadelphia Chapter, A. I. A., and the T-Square Club was issued last week. The exhibition will be held in the galleries of the Art Club, May 7-28. The circular states that the exhibits must consist of drawings, models and enlarged photographs of executed or proposed work, illustrative of structural, decorative and landscape architecture; sketches and paintings of decorative subjects, and executed work in the applied arts. It also mentions the conditions, presentation, charges and liabilities. For further information, address E. Perot Bissell, chairman, 806 Bailey Building, Philadelphia.

**The activity at the Philadelphia Master Builders' Exchange shows no abatement. The weekly luncheons, held Tuesdays, are proving popular. At last week's gathering much enthusiasm was shown, and the speaker, Arthur E. Hutchinson, was well received. He talked of "The Housing Conditions of Philadelphia." The real big affair of the Exchange took place on the night of March 16, and was known as "Get Acquainted Night." The purpose of the affair was to give the new and

old members an opportunity of becoming just a little more friendly. Formal introductions were not necessary. Each man carried a "name tag."

**The National Association of Master Gravel and Slag Roofers, at its recent annual meeting held at Jacksonville, Fla., elected the following officers for the ensuing year: Albert Baldwin, Chicago, Ill., president; Everett Jameson, Buffalo, N. Y., and Henry Smither, Indianapolis, Ind., vice-presidents; H. B. Nichols, Chicago, Ill., secretary and treasurer; J. H. Holder, New Cork, assistant secretary. Members of the executive committee include J. C. Norton, Cleveland, O.; William R. Ponnig, Brooklyn, N. F., and Ralph Ysao, Chicago, Ill.

**The Paragon Plaster Company, Syracuse, N. Y., at its recent annual meeting re-elected Jacob Amos, president, and A. E. Nettleton, vice-president. Emil Hanson was elected secretary and W. K. Squire, treasurer and general manager.

**The New York State Retail Hardware Association at its recent annual meeting at

Buffalo, N. Y., elected the following officers for the ensuing year: J. B. Sellers, White Plains, N. Y., president; Irving Van Voris, Cobleskill, N. Y., first vice-president; W. N. Briggs, second vice-president; Frank E. Pelton, Herkimer, treasurer, and John B. Foley, Syracuse, N. Y., secretary.

**The Kanawha Manufacturing Company, Charleston, W. Va., has recently opened a New York office at 101 Park avenue, in charge of J. F. Siegel, who was formerly the New York manager for the Pressed Metal Radiator Company, of Pittsburgh, Pa.

**The American Society of Engineering Contractors at its recent annual meeting elected the following officers to serve for the coming year: William P. Carmichael, St. Louis, Mo., president; John J. English, Manhattan, first vice-president; J. R. Wenlinger, Manhattan, secretary, and G. A. Unverzagt, Manhattan, treasurer. F. E. Cudworth, Charles H. Hoyt and Renwick B. Knox were elected directors.

**C. Peterson, formerly connected with the main office of the Trussed Concrete Steel Company, has been appointed sales engineer in the company's branch office in the Munsey Building, Baltimore, Md.

**G. W. Roosa, formerly connected with the lighting department of the Westinghouse Electric and Manufacturing Company, recently became associated with the Holophone Glass Company, and will have charge of the sales of Holophone glassware in New York City, Ohio and Western Pennsylvania.

**Prof. Clarence Ward, of Rutgers College, and lecturer in architecture in Princeton University, gave an illustrated lecture on "The Rheims Cathedral and Its Place in Mediaeval Art," at a meeting of the New York Society of the Archaeological Institute of America, in Class Room A, Metropolitan Museum of Art, Monday afternoon, March 6.

HARRISON, MERTZ & EMLEN.

A corporation has been formed under the laws of Pennsylvania to be known as Harrison, Mertz & Emlen, for the purpose of continuing the hydraulic and sanitary engineering and construction business of the former firm of Harrison & Schreiber, 725-26 Commercial Trust Building, Philadelphia. The new corporation will specialize in the design and installation of private utilities for country residences, farms, institutions, schools, hospitals, country clubs, etc., including water supply, irrigation disposal of sewage, lighting and refrigeration. Among recent installations made by this firm are the residences of John W. Converse, Rosemont; Dr. H. C. Diamond, Rydal; Francis R. Strawbridge, near Downingtown; J. Henry Seattergood, Villa Nova, and A. J. Drexel Paul, Radnor; the Williamson Trade School, at Wawa; the Lucas Paint Works, at Gibbsboro, N. J.; the Phoenixville Hospital, the Megargee Paper Mills, at Coatesville; the Burn Brae Hospital, at Clifton Heights, and Hood College, at Frederick, Md.

Reference Directory for Architects, Builders and Owners

Artesian Wells.
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.

Artists' and Architects' Supplies.
 Chas. H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.

Asphalt Shingles.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.

Automobiles.
 Eastern Motors Corporation,
 1634 Chestnut st., Phila.

Blue Prints.
 Chas. H. Robbins.....125 S. 11th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.

Blue Print Paper.
 Chas. H. Robbins.....125 S. 11th st., Phila.

Brick (Face, Etc.).
 O. W. Ketcham.....Builders' Exchange, Phila.

Brick Renovating.
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.

Builders.
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
 Russell and Keffer, Commercial Trust Bldg., Phila.

Builders' Iron Work.
 James G. Madden...Franklin Bank Bldg., Phila.

Builders' Supplies.
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Knickerbocker Lime Co...366 N. 24th st., Phila.

Cement.
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.

Cement Colors.
 Knickerbocker Lime Co...266 N. 24th st., Phila.
 Lehigh Portland Cement Co. Penna. Bldg., Phila.

Cement Colors.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.

Columns (Metal).
 Pearce Fireproof Co.....1345 Arch st., Phila.

Concrete Construction.
 Turner Concrete Steel Co. 1715 Sansom st., Phila.

Concrete Mixers.
 Pierce-Schmidt Co.....Bulletin Bldg., Phila.

Contractors' Equipment.
 Pierce-Schmidt Co.....Bulletin Bldg., Phila.

Dampproofing.
 The Aquabar Co...Real Estate Trust Bldg., Phila.
 Barrett Mfg. Co.....N. Y. City and Phila.

Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.

Door Hangers.
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.

Drawing Materials.
 Richards-Wilcox Mfg. Co.....50 N. 6th st., Phila.

Electrical Specialties.
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.

Electrical Construction.
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.

Electric Lighting, Power and Appliances.
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.

Engineers' Supplies.
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.

Fences.
 Anchor Post Iron Works,
 Real Estate Trust Bldg., Phila.

Fireproofing.
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Flooring.
 Currie & Campbell Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.

Furnaces.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.

Furnaces and Ranges.
 Borden Stove Co.....118 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.

Gas and Gas Appliances.
 Henry M. Miller.....46-48-50 N. 2d st., Phila.

United Gas Improvement Co.,
 Broad and Arch sts., Phila.

Granite.
 Holmesburg Granite Co.,
 Commercial Trust Bldg., Phila.

Heating Contractors.
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.

Heating (Vapor).
 T. S. Johnson Sons Co.....622 Cherry st., Phila.

Vapor Heating Co.,
 York, Pa., and North American Bldg., Phila.

Heating Boilers.
 H. B. Smith.....1225 Arch st., Phila.

Insurance.
 Harris J. Latta.....Penna. Bldg., Phila.

Iron Work (Structural and Ornamental).
 James G. Madden...Franklin Bank Bldg., Phila.

Ladders.
 T. C. Krewson.....801 Master st., Phila., Pa.

Lockers.
 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.

Lumber.
 Currie & Campbell...Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.

Howard Ketcham.....3d and Girard ave., Phila.
 James E. Tague & Co.,
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Ridpath & Potter Co.....Bourse Bldg., Phila.
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 O. M. Weber Co.....North Wales, Pa.
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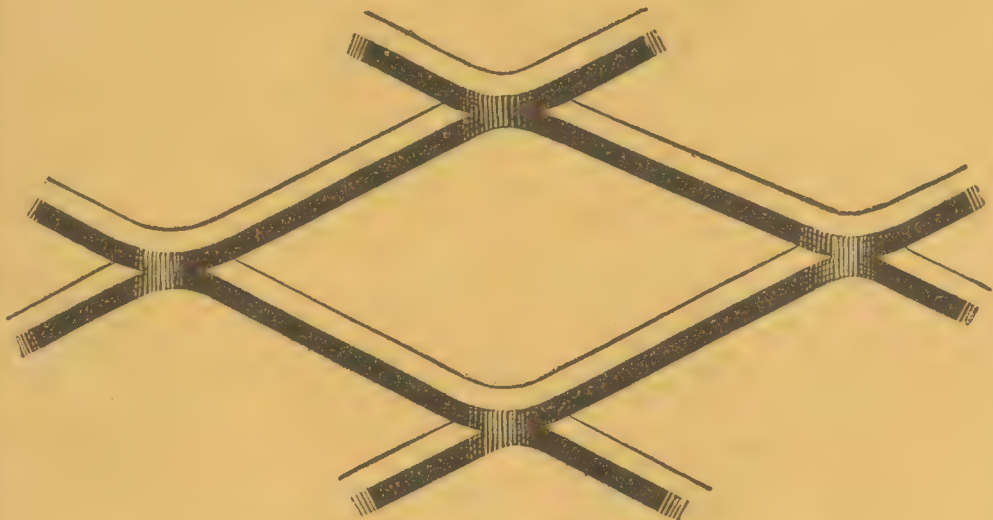
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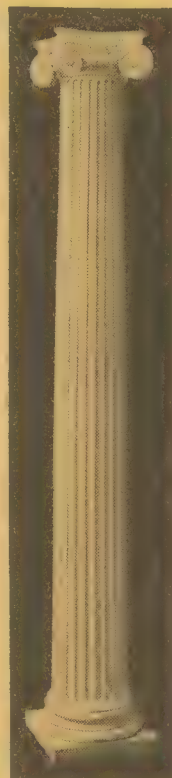
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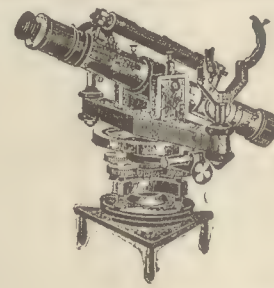
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THE PHILADELPHIA REAL ESTATE RECORD AND

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OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXXI., No. 13.

PHILADELPHIA, WEDNESDAY, MARCH 29, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Weave Shed, Allegheny avenue and A-street. Engineer, M. Ward Easby, Crozer Building, Philadelphia. Owner, Archibald Holmes & Son, on premises. Brick, 1 story, 117x142 feet, asbestos roof, steam heating, electric lighting, metal sash, cement and concrete work. Engineer is taking sub-bids.

Steps and Fence, 220 North Twelfth street, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Sunday Breakfast Association, on premises. Concrete foundations, iron steps and fence. Architects have received bids.

Residence, Fifty-third and Wynnefield avenue. Architect, private plans. Owner, P. E. Lonfesty, Wyncote, Pa. Hollow tile and plaster, 2½ stories, 29x38 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Owner taking bids, due March 30th. James B. Flounders, 1329 Arlh street, Philadelphia, is figuring.

Residence and Garage, Stenton avenue. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets. Owner, Percival Drayton, 34 W. Gravers lane. Stone, 2* stories, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, Fern Roch, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, M. Edward Morton, Melrose, Pa. Frame, 2½ stories, 35x40 feet, shingle roof, warm air heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects will take bids in a few days.

Laboratory Building (alt. and add.), York road, Philadelphia. Architects, Magaziner & Potter, 60 Chestnut street, Philadelphia. Owners, Jewish Hospital, York road and Tabor street. Brick and terra cotta, additional story on present two-story building, 51x31 feet, slate roof, metal lath, yellow pine floors, damp-proofing (heating and electric work reserved). Architects taking revised bids, due March 29th at noon. The following are figuring: Burd P. Evans & Co., Thirteenth and Wallace streets; George Hogg, 1634 Sansom street; Lam Building Co., 1001 Wood street; F. A. Havens & Co., 845 North Nineteenth street; Wm. R.

Dougherty, 1610 Samson street; Freund-Siedenbach Co., Bulletin Building.

Hotel, southwest corner Fortieth and Walnut streets, \$60,000. Architect, A. Lynn Walker, Stoneleigh Court. Owner, name withheld. Stone, 4 stories, 100x89 feet, slag roof, steam heating, electric lighting, tile and marble work, hardwood floors, elevator. Architect is taking sub-bids on all lines.

Church, Fifty-seventh and Washington avenue, \$50,000. Architect, George E. Savage, Witherspoon Building. Owners, Ninth Presbyterian Church, Rev. John A. Higgins, Fifty-seventh and Washington avenue; donor, Craig N. Ligget, 135 North Thirteenth street. Stone, 1 story, slate roof, steam heat, electric lighting. Plans in progress. Architect will take bids in about two weeks.

Loft Building, 211 to 221 North Thirteenth street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owners, Name withheld. Reinforced concrete, brick and terra cotta, 9 stories, 113x90 feet, slag roof, metal lath, fire doors, steam heating, electric lighting, (2) electric elevators. Architects taking bids, due March 30th. The following are figuring: Harrison C. Rea o., 1027 Wood street; Cramp & Co., Denekla Building; Wm. Steele & Sons Co., 1600 Arch street; Warren, Moore & Co., Commercial Trust Building; Irwin & Leighton, 126 North Twelfth street; Stacy Reeves & Sons, 2011 Market street; Roydhouse-Arey Co., Fidelity Building; I. T. Shoemaker, 1309 Walnut street; Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

Residence, Chestnut Hill, Philadelphia, \$15,000. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Charles A. Potter, Jr., Evergreen and Prospect avenues. Frame, 2½ stories, 20x60 feet, shingle roof, warm hat and hot water heating, electric lighting, yellow pine floors, (cabinet work reserved). Architects taking bids, due March 29th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; John E. Walt, 204 E. Willow Grove avenue; Pringle Porthwick, 8018 Germantown avenue.

Pump House, Seventh and Lehigh avenue, Philadelphia. Architects, Ballinger & Perrot,

Seventeenth and Arch streets. Owners, Hardwick & Magee Co., on premises. Reinforced concrete, waterproofing, fire doors. Architects taking bids, due March 29th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denekla Building, and Armstrong & Latta, Land Title Building.

Residence, Sixth street below Sixty-fourth avenue, Philadelphia. Architect, Valentine B. Lee, 6603 North Eleventh street, Philadelphia. Owner, I. B. Eltinge, Land Title Building, Philadelphia. Stone and frame, 2½ stories, shingle roof, tile work, oak floors, (heating, plumbing and electric work reserved). Architect taking bids, due March 27th. Fred Elvidge & Son, 5522 Germantown avenue; C. E. Lloyd, Eighth and Sixty-sixth avenue; Philip A. Waltz, 6610 North Seventh street; F. R. Hill, 6700 North Sixth street; Arthur V. Turner, 6328 Camac street; Wm. H. Eddleman & Son, 453 Green lane, Roxborough, Philadelphia, are figuring.

Business Block, Stores (10), and Hall Buildings (2), Germantown avenue and Venango street, Philadelphia. Architect, private plans. Owner, George F. Stuenpfig, 5430 Wayne avenue, Philadelphia. Brick and terra cotta, 2 stories, 135x25 feet, and 135x65 feet, slag roof, electric lighting, hot air heating, metal lath, maple floors, tile and marble work. Owner taking bids, due March 29th. The following are figuring: Henry P. Schneider, 3713 Old oYrk road; Ketcham & McQuade, 1029 Brown street, and Freund-Siedenbach Co., Bulletin Building.

Store Building, 2132 Market street, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Mrs. Hortense L. Becker, 2307 North Park avenue, Philadelphia. Brick and terra cotta, 2 stories, 18x125 feet, slag roof, gum wood floors, tile work, (heating, plumbing and electric work separate bids). Architects have received bids.

Church, Fifty-first and Spruce streets, Philadelphia, \$100,000. Architects, Walter H. Thomas, 130 South Fifteenth street, Philadelphia, and Henry Vaughan, 20 Pemberton square, Boston, Mass. Owners, Chapel of the Mediator, care George W. Jacobs, 1624 Chest-

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marble work, metal lath. Plans about com-
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two weeks.

Machine Shop, 4947 Fairmount avenue,
Philadelphia. Architect, private plans. Own-
er, A. G. Fischer, on premises. Brick and
steel, 3 stories, 45x111 feet, slag roof, steam
heating, electric lighting, elevator, fire doors,
concrete floors, metal sash. Owner has re-
ceived bids.

Ice Storage Building (add., Seventeenth
and uNiata streets. Architect, private plans.
Owners, American Ice Co., Sixth and Arch
streets, Philadelphia. Brick, 1 story, 15x25
feet, slag roof, electric lighting, extension to
present insulation system. Owners have re-
ceived bids.

Church, Hancock and York streets, Phila-
delphia, \$30,000. Architects, Chas. W. Bolton
& Son, Witherspoon Building, Philadelphia.
Owners, Alpha Baptist Church, Rev. H. R.
Williams, 1738 North Gratz street, Philadel-
phia. Stone and terra cotta, 1 story, 50x100
feet, slag roof, marble work, electric lighting,
(asphalt roof, heating and plumbing reserved).
Architects taking bids, due April 1st. In ad-
dition to those previously reported, Chas. J.
Appleton, Heed Building, and Frank G. Eng-
lish, 1610 North Carlisle street, are figuring.

Bank and Office Building, northeast corner
Thirteenth and Market streets, \$300,000.
Architect, Alfred G. Blossom, 366 Fifth ave-
nue, New York City. Owners, Colonial Trust
Co., on premises. Brick, stone, terra cotta
and steel, fireproof, 12 stories, composition
roof, steam heating, electric lighting, ele-
vators, tile and marble work. Plans in pro-
gress. Architect will take bids in about six
weeks.

Loft Building, southeast corner of Seven-
teenth and Arch streets, Philadelphia. Archi-
tects, A. J. Sauer & Co., 908 Chestnut street,
Philadelphia. Owners, R. A. Heymann & Bro.,
Widener Building, Philadelphia. Reinforced
concrete, brick and terra cotta, 5 stories, 50x
100 feet, slag roof, steam heating, electric
lighting, metal sash, metal lath, elevator, fire
doors. Architects have received revised bids.

Sewers, various streets, Philadelphia. Own-
ers, City of Philadelphia, Department of Pub-
lic Works, George B. Datesman, Director, City

Hall. Consists of main sewers. Owners tak-
ing bids, due April 13th, 1916.

Hotel (add.), southeast corner of Twelfth
and Pine streets, Philadelphia. Architect, H.
E. De Hoff, 48 South Sixty-first street, Phila-
delphia. Owner, A. Scott, on premises (Scott
Hotel). Brick and terra cotta, 4 stories, 25x
60 feet, slag roof, electric lighting, plumbing,
interior marble work, tile work, hardwood
floors (vapor vacuum heating, separate bids).
Plans completed. Architect is ready for bids.

Offices (alts.), 234 and 236 Walnut street,
Philadelphia. Architects, Evans & Warner,
Witherspoon Building, Philadelphia. Owners,
Insurance Company of North America, on
premises. Tin roof, metal lath, office parti-
tions, metal casements, maple floors (heating,
plumbing and electric work reserved). Archi-
tects taking bids, due April 3rd. The follow-
ing are figuring: James H. Wells, Heed
Building; H. H. Burrell, 206 South Quince
street; A. Raymond Raff Construction Co.,
1635 Thompson street, all of Philadelphia.

Factory (rebuilding), Thirty-seventh and
Tasker streets, Philadelphia. Engineers, Day
& Zimmerman, 611 Chestnut street, Philadel-
phia. Owners, Nitrogenous Chemical Co.,
West End Trust Building. Brick, steel and re-
inforced concrete, 2 stories, 83x98 feet, Bar-
rett's roof, fire doors, metal sash. Engineers
taking bids, due March 29th. The following
are figuring: James C. Driscoll, 1524 Chest-
nut street; Sutton & Stephenson, 1317 Wash-
ington avenue; George & Borst, 277 South
Eleventh street; Metzger & Fisher, Denckla
Building; Armstrong & Latta, Land Title
Building.

Loft Building, Thirteenth and Race streets,
Philadelphia. Architect, Frederick Webber,
Morris Building, Philadelphia. Owner's name
withheld. Reinforced concrete, tapestry
bricks and terra cotta, 10 stories, 60x100 feet,
slag roof, steam heating, electric lighting,
electric elevators, maple floors, mosaic and
marble work, metal doors, fire doors. Archi-
tect taking bids, due March 31st. Cramp &
Co., Denckla Building, are figuring:

Garage, Broad street, south of Loudon street,
Philadelphia. Architect, F. T. Uezzell, 1203
Filbert street, Philadelphia. Owner, L. G.
Harrison, Sixteenth and Diamond streets,
Philadelphia. Brick, 1 story, 180x60 feet, slag
roof, steam heating, cement floors. Plans in

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progress. Architect will take bids in about one week.

Factory (alt. and add.), 128 and 130 East Allen lane. Architect, F. T. Uezzell, 1203 Filbert street, Philadelphia. Owners, Gorgas-

Pierie Manufacturing Co., on premises. Brick, 3 stories, 28x60 feet, slag roof, steam heating, electric lighting. Plans about completed. Architect will take bids in a few days.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**Post Office (alts.),** Ninth and Chestnut streets, Philadelphia, \$1,100. Architect, private plans. Owners, U. S. Government, care Custodian, on premises. Consists of alterations to rooms 430 and 431, new windows, plumbing, etc. Contract awarded to Joseph Price, 2045 Rittenhouse street.**Factory Building,** Ninth and Ontario streets, Philadelphia, \$30,000. Architect, private plans. Owners, Densten Hair Co., of Philadelphia, on premises. Brick, 4 stories, 32x150 feet, slag roof, steam heating, electric lighting, elevator. Contract awarded to George Kessler Contracting Co., Drexel Building, Philadelphia.**Factory (add.),** 705-07 Cherry street, Philadelphia. Architects, Koelle, Speth & Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, James F. Burns, 715 Cherry street, Philadelphia. Brick, concrete floors, 5 stories, 37x50 feet, slag roof, maple floors, fire doors, metal sash, (heating, electric work and elevator reserved). Contract awarded to Koelle, Speth & Co., Twenty-sixth and Oxford streets.**Residence,** St. Martins, Philadelphia, \$18,000. Architect, Samuel D. Hawley, 2d, 3132 W. Penn street. Owners, Cornelius Bodine, 115 Springfield avenue, Chestnut Hill. Stone and rough cast, 2½ stories, 77x37 feet, shingle roof, vapor vacuum heating, electric lighting, tile work, oak floors. Contract awarded to Fred Elvidge & Sons, 5522 Germantown avenue.**Bridge, Walls, etc.,** Chelton avenue, Philadelphia. Engineer, A. C. Shand, Broad Street Station. Owners, Penna. Railroad Co., Broad Street Station. Consists of concrete brick, stone wall, etc. Contract awarded to T. F. Reilly, Bala, Pa.**Parochial School,** Lancaster avenue east of Ledia street, \$60,000. Architect, Geo. I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Gregory's R. C. Church, Rev. R. F. Hanagan, Fifty-second and Warren streets, Philadelphia. Brick, stone and terra cotta, 2 stories, 74x150 feet, slag roof, dampproofing,

yellow pine floors, reinforced concrete floors, iron stairs, terrazzo work, roof ventilators, (heating, plumbing and electric work separate bids). Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Warehouse (add.), Penn and Unity streets, Philadelphia. Architect, H. M. Hokanson, 1524 South Fifty-fifth street, Philadelphia. Owners, Frankford Grocery Co., on premises. Brick, steel and concrete, two additional stories on present three-story building, 175x39 feet, slag roof, metal lath, steam heating, electric lighting, elevator. Contract awarded to Barclay White & Co., Perry Building, who are taking sub-bids.**Dye Works (add.),** Emerald and Westmoreland streets, \$11,000. Architect, private plans. Owners, Caledonia Dye Works, on premises. Brick, 2 stories, 72x80 feet, slag roof, steam heating, electric lighting. Contract awarded to Stewart Bros., 2528 North Orkney street, Philadelphia.**Garage,** Fortieth and Westminster avenue, Philadelphia, \$6,700. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, H. Burstein, 709 Filbert street, Philadelphia. Brick, stone and steel, 1 story, 40x113 feet, slag roof, steam heating, reinforced concrete floors, electric lighting, oil storage system. Contract awarded to P. Savar, 718 Snyder avenue, Philadelphia.**Residence (alts.),** 3924 Walnut street, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, George Miller, on premises. Consists of interior alterations only. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.**Storage Warehouse,** Thirty-eighth and Powelton avenue, Philadelphia, \$22,000. Architects, A. B. Gill and M. Roy Sheen, 1655 North Fifty-sixth street, Philadelphia. Owners, Powelton Storage, on premises. Brick, 5 stories, 67x41 feet, slag roof, steam heating, electric lighting, elevator, fire doors, rolling steel doors. Contract awarded to Stacy**GRAHAM-CAMPION CO.***Building Construction*

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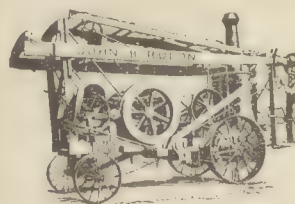
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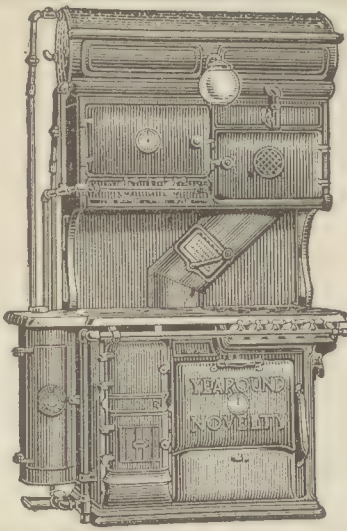
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Nurses' Home (alts.), Thirty-fourth and Spruce streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, University of Pennsylvania Hospital, on premises. Slate roof, metal lath, fire escapes, oak floors, tile and marble work. Contract awarded to Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Stores (2), 101-103 Midvale avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, G. Roberto, 4126 Ridge avenue, Philadelphia. Brick, 1 story, 15x30 feet, hot air heating, electric lighting, slag roof, marble and tile work. Contract awarded to John Tume, 1204 Ellsworth street, Philadelphia.

Store Building (alt. and add.), Nineteenth and Federal streets. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Max Winokur, on premises. Brick, 3

stories, slag roof, electric lighting, metal lath, ornamental iron work, waterproofing and dampproofing. Contract awarded to P. Savar, 713 Snyder avenue, Philadelphia.

Store and Dwelling (alt. and add.), 2204 Ridge avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, N. M. Levitties, on premises. Consists of general interior alterations and rear addition, 2 stories, 18x40 feet, brick, slag roof, hot water heating, combination lighting, tile work. Contract awarded to S. Bannett & Sons, Drexel Building, Philadelphia.

Residence, Kitchen's lane, Germantown, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Wm. E. Chapman, Widener Building, Philadelphia. Stone, 2½ stories, 30x50 wing; wing, 25x30 feet; hot water heating, electric lighting, tile work, oak floors. Contract awarded to W. John Stevens, Wyncote, Pa.

PENNSYLVANIA Construction News

Factory (alt. and add.), South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Brown & Borwick, South Bethlehem, Pa. Brick, 2 stories, 108x40 feet, slag roof, electric lighting. Plans completed. Owners will sub-let all contracts.

Twin Residence (alt. and add.), South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, J. L. Elliot, South Bethlehem, Pa. Brick, frame and stucco, 2½ stories, 57x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans completed. Owner is taking sub-bids.

Residence, Rittersville, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Henry Ruth, Rittersville, Pa. Brick, 2½ stories, 33x40 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Owners taking bids, due April 1st. Butz & Glader, and W. A. Stein & Co., Allentown, Pa., are figuring.

Apartments, Lodge and Hall, Easton, Pa. Architect, J. J. Weitzonfeld, Easton, Pa. Owners, P. O. S. of A., Washington Camp No.

542, Easton, Pa. Brick, 4 stories, 40x130 feet, composition roof, steam heating, electric lighting, composition flooring, elevator. New plans in progress.

Residences (9), Bethlehem, Pa., Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owner, Harry J. Fritch, Bethlehem, Pa. Brick and frame, 2½ stories, 15x40 feet each, slate roof, electric lighting. Owner is taking sub-bids.

Factory, Sunbury, Pa., \$60,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owners, Sunbury Converting Works, J. J. Stellar, Supt., Sunbury, Pa. Reinforced concrete, brick and steel, 4½ stories, 95x99x134 feet, slag roof, steam heating, electric lighting, metal lath, (12) fire doors, elevator, damp-proofing, gypsum block partitions. Plans completed. Owners ready for bids.

Sunday School, Nazareth, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, The Moravian Church, care H. Shimer, Secretary, Nazareth, Pa. Brick, 2 stories, 60x46 feet, slate roof, steam heating, electric lighting, tile work. Owners taking bids.

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Church, Pen Argyl, Pa., \$15,000. Architect, E. H. Wenzelberger, Easton, Pa. Owners, First Presbyterian Church, Rev. A. F. Mer-shon, Pen Argyl, Pa. Stone, 1 story, 48x50 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing. Plans about completed. Architect will be ready for bids April 15th.

Armory, West Chester, Pa., \$40,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State Armory Board, Major Benj. Demming, Harrisburg, Pa. Brick, limestone trimmings, 1 and 2 stories, 65x90 feet, slag roof, metal lath, dampproofing, proposal bond, terrazzo, marble and tile work, steel lockers, (heating, plumbing and electric work separate bids). Revised plans completed. Owners will advertise for new bids in a few days.

Office Building (add.), South Bethlehem, Pa. Architects, Graham-Burham Co., 80 E. Jackson Boulevard, Chicago. Owners, Bethlehem Steel Co., South Bethlehem, Pa. Brick, terra cotta, steel and reinforced concrete, fireproof, 7 stories, 145x155 feet, slag roof, steam heating, electric lighting, elevators, tile and marble work. Owners have received revised bids.

Hunting Lodge (alt. and add.), near Phoenixville, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Wm. J. Clothier, 131 South Fourth street, Philadelphia. Stone and frame, 3 stories, shingle roof, electric lighting. Architects have received bids.

Dance Hall, Willow Grove, Pa. Architects, Guy King and E. A. Wightman, 1513 Walnut street, Philadelphia. Owners, Ryan Amusement Co., 931 W. Lehigh avenue, Philadelphia. Steel frame and stucco, 1 story, 95x112 feet, slag roof, (excavating, grading, concrete work, steel, plumbing and electric work reserved). Architects have received bids.

Bridge, south of Reading, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. and Reading Railway Co., Reading Terminal, Philadelphia. Concrete and steel. Owners taking bids, due March 31st. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Tenant House (alt. and add.), Ardmore, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Wm. D. Winsor, Ardmore, Pa. Stone, 2 stories, canvas roof, electric lighting, yellow pine floors. Architects taking bids, due March 27th. H. H. Burrell, 206 S. Quince street, Philadelphia, figuring (only bidder).

Tuberculosis Cottage, Norristown, Pa., \$40,000. Architect, George S. Idell, 34 South Seventeenth street, Philadelphia. Owners, State Hospital for Insane, care O. L. Schwartz, Norristown, Pa. Brick or hollow tile and plaster, 2 stories, 25x223 feet, slate or asbestos shingle roof, steam heating, electric lighting, composition floors, metal lath. Owners taking sub-bids on all lines, due April 6th. Plans may be obtained from owners.

Residence, Garage and Cottage, near Media, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Furman Furness, Media, Pa. Stone and frame, 2½ stories, electric lighting, hot water heating, hardwood floors, tile work. Plans about completed. Architects will soon take bids.

Residence (alt. and add.), Media, Pa. Architect, Brooks Lister, 1422 Walnut street, Philadelphia. Owner, J. Gordan Fetterman, Media, Pa. Stone and frame, 2½ stories, tin roof. Owner has received bids.

Garage, Muehlenburg Township, Pa., \$5,000. Architect, J. M. Hickman, 119 South Fifth street, Reading, Pa. Owner, Kathryn Fasig-kremer, Muehlenburg Township, Pa. Hollow tile and stucco, 2 stories, 24x35 feet, asbestos shingle roof, hot water heating, electric lighting, cement floors. Plans in progress.

Bungalow, Butter Lane, Pa., \$2,500. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Winfield Loose, 121 W. Greenwich street, Reading. Stone, 1½ stories, 22x25 feet, prepared roofing, hot air heating, electric lighting. Plans in progress.

Residence, Reading, Pa., \$5,000. Architect, Calvin J. Young, 520 Washington street, Reading. Owner, Leo. F. Lauter, Reading, Pa. Brick, 2½ stories, 28x30 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architect taking bids, due April 1st. The following are figuring: Edward Seibrit, Wm. Fromm, and Lyman Heinly, of Reading, Pa.; Haupt & Rentz, Wyomissing, Pa.; Adam Spatz and Stanley M. Keever, of Wernersville, Pa.

Store and Apartments (alts. and add.), Reading, Pa. Architect, A. A. Ritcher, Reading, Pa. Brick, 3 stories, 20x60 feet, composition roof, steam heating, electric lighting. Architect taking bids, due March 30th. The following are figuring: Geo. Koch, Beard Construction Co., D. E. Dampman, Wm. A. Sharp, and Daniel H. Hunter, all of Reading, Pa.

Church, Lancaster, Pa., \$35,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Emmanuel Lutheran Church, Rev. P. George Sieger, Lancaster, Pa. Stone, 1 story, 50x80 feet, slate roof, steam heating, electric lighting, maple floors, metal lath. Owners taking bids, due April 3d at noon. The following are figuring: Wm. Frich, John Grube, D. S. Warfel, H. L. Wiant, Jos. P. Brennenman, Ray Clarke and L. V. Wright, all of Lancaster, Pa.

Church and Sunday School, Palmerton, Pa., \$22,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Trinity United Evangelical Church, Rev. D. R. Hart, Palmerton, Pa. Brick, stone trimmings, 1 and 2 stories, 30x100 feet, slag roof, vapor heating, electric lighting, maple floors, metal lath. Plans in progress.

Club House, Lebanon, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, B. P. O. E. No. 631, Lebanon, Pa. Brick, stone trimmings, and steel, 2½ stories, 50x125 feet, composition roof, steam heating, electric lighting, tile work, hardwood floors, metal lath. Plans in progress.

Masonic House, Womelsdorf, Pa., \$7,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Williamson Lodge No. 307, Charles P. Shaffer, chairman, Womelsdorf, Pa. Brick, 3 stories, 40x56 feet, tin roof, hot water heating, electric lighting, tile work. Plans in progress.

Residence (alt. and add.), Wernersville, Pa., \$3,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, F. C. Heckman, Wernersville, Pa. Brick, 2½ stor-

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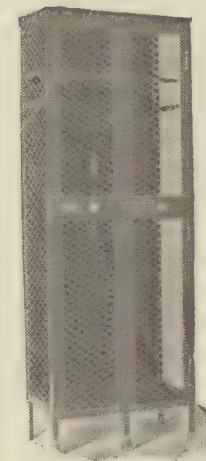
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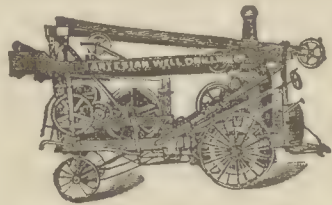
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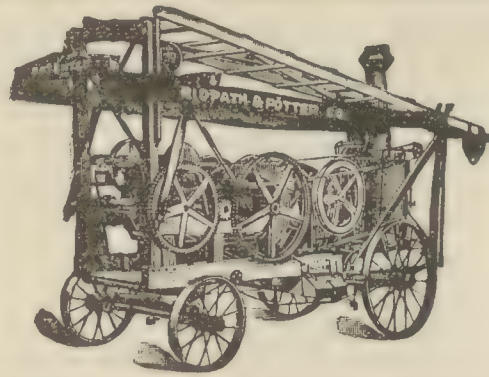
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ies, 40x35 feet, tin roof, vapor heating, electric lighting. Owner is taking bids.

Mission House, Reading, Pa., \$20,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owners, Hope Rescue Mission, Wm. White, suput., Reading. Brick, stone trimmings, 3 stories, 55x90 feet, slag roof, concrete roof, steam heating, electric lighting, reinforced concrete floors, metal sash, dumb waiter, clothes dryers, dampproofing. New plans in progress. Architect will be ready for bids May 1st.

School, Topton, Pa. Architect, Geo. L. Erhard, 519 Penn street, Reading, Pa. Owners, Lutheran Orphans Home, Topton, Pa. Brick, 2 stories, 32x70 feet, wing 13x18 feet, slag roof, steam heating, electric lighting. Plans completed. Owners ready for bids.

Ward Buildings (2), South Mountain, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Asylum for Chronic Insane, Dr. S. S. Hill, South Mountain, Pa. (P. O. Wernersville, Pa.) Reinforced concrete and brick, 2½ stories, 60x400 feet, slate roof, steam heating, electric lighting, composition floors. Plans about completed. Architect will be ready for bids in two weeks.

Church, Womelsdorf, Pa. Architect, E. J. School, 31 North Sixth street, Reading, Pa. Owners, Zion Evangelical Lutheran Church, Womelsdorf, Pa. Stone, 1 story, 130x43 feet, slate roof, (heating and electric work separate bids). Architect taking bids, due April 3d. The following are figuring: Beard Consst. Co., Reading, Pa.; Haupt & Rentz, Wyomissing, Pa.; Chas. H. Schlegel, Mt. Penn, Pa.; Thomas Weik, Richland, Pa.; Wm. Wiand, Pottstown, Pa.; Adam Spatz, and Stanley Keever, Wernersville, Pa.

Grand Stand, Muehlenburg Township, Pa., \$25,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, The Reading Fair Co., Inc., Reading, Pa. Reinforced concrete and steel, 204x47 feet, composition roof. Owners taking bids, due March 22d. In addition to those previously reported, the following are figuring: W. W. Anstine & Co., 1213 Filbert street, Philadelphia; Reading Const. Co., D. B. Warner, Municipal Construction Co., Rundal & Rehm, Dominic Maurer & Sons, Paul D. Kauffman, L. H. Foelt & Son, all of Reading, Pa.

Factory (add.), Reading, Pa. Architect, private plans. Owner, C. C. Miller, Reading, Pa. Hollow tile, 1 story, 140x30 feet, slag roof, steam heating, electric lighting. Owner is ready for bids.

Residences (16), Birdsboro, Pa., \$32,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, James Sponagle, Birdsboro, Pa. Hollow tile and stucco, 2 stories, 14x44 feet each, tin roof, hot air heating, gas and electric lighting. Plans in progress.

Garage (alt. and add.), Reading, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, E. S. Youse Co., 46 North Fifth street, Reading, Pa. Brick, 2 and 3 stories, 32x83 feet, slag roof, electric lighting. Plans in progress.

Residence, Wayne, Pa. Architect, George S. Idell, 34 South Sixth street, Philadelphia. Owner, name withheld. Stone, 2½ stories,

32x62 feet, slate roof, warm air or hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in about two weeks.

School and Chapel, Collingdale, Pa. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Josephs R. C. Church, care Rev. Otto C. Gromoll, Collingdale. Brick, 2 stories, 53x105 feet, slate roof, (heating and electric work reserved). Architect taking bids, due March 31st. The following are figuring: Melody & Keating, 1219 Chestnut street; Wm. R. Dougherty, 1608 Sansom street; E. E. Hollenbackk, Fifteenth and Race streets; Monaghan & Losse, 214 South Twelfth street, all of Philadelphia; Daniel S. Sullivan, Lansdowne, Pa.; Farrell & Co., 1619 Sansom street, Philadelphia.

Prochial School, Wayne, Pa. Architects, E. F. Durang & Sons, 1200 Chestnut street, Philadelphia. Owners, St. Katherine of Sionna Parish, Rev. Charles F. Kavanaugh, rector, Wayne, Pa. Brick, granite trimmings, 2 stories, 115x52 feet, tile and slag roof, water-proofing, yellow pine floors, slate blackboards, (plumbing, heating and electric work separate bids). Revised plans in progress.

Residence and Garage, Leverock, Pa., \$35,000. Architect, John Graham, Jr., 32 Summit avenue. Owner, Wm. Chattin Wetherill, Springfield avenue and P. RR. Stone, 2½ stories, 25x144 feet, shingle roof, oak floors, tile work, (mantels and bookcases, heating, plumbing and electric work reserved). Builder John Duncan, 920 Walnut street, taking sub-bids.

Residence, Swarthmore, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Paul Froodley, Swarthmore, Pa. Hollow tile and plaster, 2½ stories, 32x33 feet, shingle roof, electric lighting, tile work, (hot water heating reserved). Architects have received bids.

School Building, Rockdale, Pa., \$20,000. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care Wm. E. Griffith, Rockdale, Pa. Brick, stone trimmings, 2 stories, slate roof, electric lighting, slate blackboards. Plans in progress.

Sanitarium (adds.), Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanitarium for Tuberculosis, Dr. Samuel F. Dixon, 1900 Race street, Philadelphia. Stone and hollow tile and plaster. Dining building, additional 3 stories, 65x47 feet; medical directors' residence, 2½ stories, 44x54 feet; asbestos shingle roofs, metal lath, iron stairs, kalemein doors, metal lath, metal sash, yellow pine floors, fire escapes (heating, plumbing and electric work separate bids. Owners have received bids.

Residence, North Wales, Pa. Architects, Street & Stackhose, Drexel Building, Philadelphia. Owner, Lawrence C. Heiss, North Wales, Pa. Stone, 2½ stories, 30x50 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work vacuum cleaning system. Architects taking bids, due April 3rd. The following are figuring: W. D. Lukens, North Wales, Pa.; Ludwig Kaelin, Lansdale, Pa.; Willington Godshalk, Culpville,

Pa.; A. G. Sparks, Merion, Pa., and J. B. Flounders, 1329 Arch street, Philadelphia.

Residence, Wynnewood, Pa., \$10,000. Architect, Theodore F. Dillon, 903 South Forty-ninth street, Philadelphia. Owner, Thomas R. Pierpoint, Ardmore, Pa. Brick, hollow tile and stucco, 2½ stories, 56x22 feet, shingle roof, hot water heating, electric lighting, pine and oak floors, tile baths. Architects taking bids, due April 3rd. The following are figuring: Wm. D. Smedley, Narberth, Pa.; A. G. Sparks, Merion, Pa.; M. W. Young, Overbrook, Philadelphia; E. J. Hedden, Finance Building, and Eugene Tourison, 1001 Chestnut street, Philadelphia.

Residence, Penfield, Pa. Architect, Willis A. Hall, 5031 Aspen street, Philadelphia. Owner, W. A. Harvey, 518 South Redfield street, Philadelphia. Stone, 2½ stories, 29x38 feet, tile roof, hot water heating, electric lighting, oak floors, tile work, vacuum cleaner piping. Owner taking bids, due April 1st. F. T. Mercer Co., 1706 Delancey street, Philadelphia, are figuring.

Cow Barn, North Wales, Pa., \$10,000. Architect, private plans. Owners, The Florex Gardens, North Wales, Pa. Hollow tile glazed, 2 stories, 38x140 feet; wing, 16x40 feet; slate roof, hollow tile, reinforced concrete floors, cork blocks. Owners will sub-let all contracts.

Residence, Swarthmore, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Samuel C. Palmer, Swarthmore, Pa. Stone and frame, 2½ stories, 36x29 feet, shingle roof, yellow pine floors (heating, plumbing and electric work separate bids). Architects taking revised bids, due April 3rd. The following are figuring: F. D. Davis, 240 North Sixteenth street; James B. Flounders, 1329 Arch street, Philadelphia; J. W. Neckert, Glenolden, Pa.; Charles T. Moore, Lansdowne, Pa.; Paul Hannum, Kennett Square, Pa.; J. D. Durnall, Swarthmore, Pa.

Residence (alt. and add.) and Garage, Hav-

erford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Mrs. Agnes Rogers, Haverford, Pa. Stone, 2½ stories, shingle and canvas roofing, hot air heating, electric lighting, oak floors, tile work, vacuum cleaner piping. Architects taking revised bids, due March 29th. The following are figuring: Graham-Campion Co., Heed Building; Metzger & Fisher, Denckla Building; J. P. Thompson, Real Estate Trust Building; Loos & Dothard, Commercial Trust Building, Philadelphia; Gray Bros., Rosemont, Pa.

Power House, Bala, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Lower Merion School District, Wm. J. Byrnes, secretary, Ardmore, Pa. Stone, 1 story, 24x61 feet, slag roof, concrete floors, waterproofing, iron stack, fire escapes, proposal bond (plumbing, heating and electric work separate bids). Owners taking bids, due April 3rd at noon. Plans may be obtained from Architects. The following are figuring: James H. Wells, Heed Building; H. E. Grau, 1709 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; E. J. Hedden, Finance Building; R. C. Ballinger & Co., 218 North Thirteenth street; W. W. Anstine & Co., 1218 Filbert street, Philadelphia; P. J. Lawler, Bala, Pa., and Frank H. Mahan, Ardmore, Pa.

Residence, Villa Nova, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Morris L. Clothier, Villa Nova, Pa. Stone, 2½ stories. Details not yet decided. Plans in progress.

Freight Warehouse, Harrisburg, Pa. Engineer, A. D. Shand, Broad Street Station, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete, brick and steel, 4 stories, 50x450 feet; 1 story, 20x450 feet, slag roof, electric lighting, metal sash. Plans about completed. Owners will take bids in about two weeks.

PENNSYLVANIA Contracts Awarded

Cottage and Garage, Fort Washington, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Harry McAdoo, Fort Washington, Pa. Hollow tile and plaster, 2 stories, 17x21 feet, shingle roof, hot water heating, electric lighting, metal lath. Contract awarded to Wm. H. Eddleman & Sons, 453 Green lane, Roxborough, Philadelphia.

Hospital (adds.), Abington, Pa., \$90,000. Architects, Bissell & Sinkler, Bailey Building, Philadelphia. Owners, Abington Memorial Hospital, Abington, Pa. Brick, stone and steel, fireproof, nurses home, 3 stories, 95x45 feet; power house, laundry and garage and 3 passageways, slate and composition roofs, marble and tile work, metal lath, (heating, electric work, power equipment, laundry equipment, elevator, and stack separate bids). Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

Office Building (alt. and add.), South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Lehigh Coke Co., South Bethlehem, Pa. Brick, 3 stories, 36x52 feet, slate roof, steam heating, electric lighting. Contract awarded to George Merdinger, Bethlehem, Pa.

Factory, Bethlehem, Pa., \$10,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owners, Swiss Cleaners & Dyers and International Bag Co., Edward L. Myers, president, Bethlehem, Pa. Brick and steel, 2 stories, 137x30 feet, slag roof, steam heat-

ing, electric lighting, metal sash, reinforced concrete floors, roof ventilators. Contract awarded to F. F. Speck, Bethlehem, Pa.

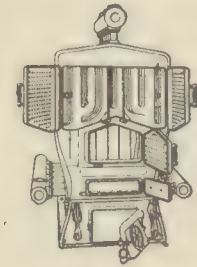
School, Mahanoy City, Pa., \$75,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Mahanoy City, Pa. Frame, 2 stories, 120x100 feet, asbestos or slag roof, steel sash, enameled bricks, tile and marble work, metal lath, kalamein doors, safety treads, maple and composition floors, slate blackboards, (heating, plumbing, electric work separate bids). Contract awarded to Jacob Nagle, Allentown, Pa.

Bridge, Oreton, Pa. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Reinforced concrete. Contract awarded to L. H. Foelt & Son, Reading, Pa.

Factory Building, Conshohocken, Pa. Engineers, Haven & Crosby, Marshall Building, Boston, Mass. Owners, Lee Tire & Rubber Co., Conshohocken, Pa. Brick, 2 stories, 81x138 feet, slag roof, steel sash, roof ventilators, fire doors, safety treads, maple floors, metal lath, (heating, plumbing and electric work, reserved). Contract awarded to J. W. Ferguson, Paterson, N. J.

High School, Schuylkill Haven, Pa. Architect, Frank X. Reilly, 112 North Centre street, Pottsville, Pa. Owners, School District of Schuylkill Haven, I. W. Tyson, secretary, Schuylkill Haven, Pa. Brick and concrete, fireproof, 2 stories, 129x96 feet, asbestos roof, safety treads, gum wood floors, dumb waiters,

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metal lath, ventilators. Contract awarded to Beard Const. Co., Reading, Pa.

Picture Theatre (alt. and add.), Reading, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Gem Amusement Co., Reading, Pa. Brick, 2 stories, 50x125 feet, slag roof, steam heating, electric lighting, metal lath, concrete or composition floors.

Store (alt. and add.), Reading, Pa. Architect, Geo. L. Gerhard, 519 Penn street, Reading, Pa. Owner, Robert D. Large, Reading, Pa. Brick, 2 stories, 15x70 feet, tin roof, hot air heating, electric lighting, (2) dumbwaiters. Contract awarded to Daniel H. Hunter, Reading, Pa.

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Residence (alts.), Narberth, Pa. Architect, Samuel T. Atherholt, Narberth, Pa. Owner, Fletcher W. Stites, Crozer Building, Philadelphia. Hot water heating, electric lighting, oak floors, tile work. Contract awarded to W. D. Smedley, Narberth, Pa.

Storehouse, Enola, Pa., \$12,000. Architect, W. C. Coughlin, 376 Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., care of George Brown, division engineer, Harrisburg, Pa. Brick and concrete, 1 story, 60x83 feet, slag roof, safety treads (heating, electric work and elevator reserved). Contract awarded to Monaghan & Losse, 214 South Twelfth street, Philadelphia.

Residence (alt. and add.), Garage and Farm Buildings, Bryn Mawr, Pa. Architect, Horace

Trumbauer, Land Title Building, Philadelphia. Owner, Robert E. Strawbridge, Bryn Mawr, Pa. Stone and timber, 2½ stories, copper, canvas and shingle roofs (interior wood work, parquet floors and electric work reserved), steam heating, dampproofing, oak floors, tile and marble work. Contract awarded to Stacy Reeves & Sons, 2211 Market street, Philadelphia.

Garage and Greenhouse, Elkins Park, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Charles J. Cole, Elkins Park, Pa. Garage, brick, 1½ stories, 24x28 feet; greenhouse, glass, 11x22 feet; garage, shingle roof, electric lighting, hot water heating, gasoline storage system, cement floors. Contract awarded to F. T. Mercer, 1220 Chancellor street, Philadelphia.

NEW JERSEY**Construction News**

Residence, Phillipsburg, N. J., \$3,500. Architect, J. J. Weitzenfeld, Easton, Pa. Owner, Floyd Raub, Phillipsburg, N. J. Brick, 2½ stories, 22x36 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Store and Apartments, Alpha, N. J. Architect, J. J. Weitzenfeld, Easton, Pa. Owner, M. Goldfarb, Alpha, N. J. Concrete blocks, 2 stories, 30x58 feet, slate roof, hot air heating, electric lighting. Plans in progress.

Cottage, Stone Harbor, N. J. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner, Mrs. John M. Okie, Berwyn, Pa. Frame, 2 stories, 48x31 feet, shingle roof, warm air heating, electric lighting, pine floors. Architect taking bids, due March 27th. J. Morris Daniels, 252 South Juniper street, Philadelphia, is figuring.

Cigar Factory, Perth Amboy, N. J. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Bros. Co., Third and Spruce streets, Philadelphia. Reinforced concrete and brick, 4 stories, 80x100 feet, slag roof, steam heating, electric lighting, elevators, dampproofing. Plans about completed. Architect will be ready for bids in about two weeks.

Office Building (alt. and add.), 418 Federal street, Camden. Architect, private plans. Owners, Public Service Gas Co., Newark, N. J. Brick addition, 2 stories, 35x40 feet, Barrett's roof, steam heating, electric lighting, wire work, metal lath, waterproofing, cabinet work, fire doors, metal weatherstrips, marble, tile and terrazzo work, hollow tile and concrete fireproofing. Owners taking revised bids, due April 6th. Pomeroy Construction Co., 1619 Ranstead street, and Warren, Moore & Co., Commercial Trust Building, Philadelphia, and Doyle & Co., 1519 Sansom street, are figuring.

Church, Gibbstown, N. J., \$12,000. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Gibbstown M. E. Church, Gibbstown, N. J. Stone and brick, 1 story, slate roof, steam heating, electric lighting. Owners taking bids. The following are figuring: Joseph Smith, Palmyra, N. J.; Harry Williams, Burlington, N. J., and Scott Bros., Newfield, N. J.

Factory, Hammonton, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City. Owners, Figueroa Cut Glass Co., Hammonton, N. J. Brick, 2 stories, 32x140 feet, asbestos roof, steam heating, electric lighting, elevator, office partitions. Owners have received bids.

Bungalow, Bridgeton, N. J., \$8,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner's name withheld. Hollow tile and stucco, 2 stories, 30x56 feet, tile

roof, hardwood and tile floors, hot water heating, electric lighting. Plans in progress.

Bungalow, Stone Harbor, N. J., \$3,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, South Jersey Realty Co., care of S. Dilks, Real Estate Trust Building, Philadelphia. Frame, 1½ stories, 38x22 feet, shingle roof, hot air heating, electric lighting. Owner will sub-let all contracts.

Stable, Second and Walnut streets, Philadelphia. Architect, private plans. Owners, S. C. Childs Co., Front and Walnut street, Camden. Brick, 2 stories, 32x90 feet, slag roof, electric lighting. Owners are sub-letting all contracts.

Factory, 1126 Price street, Camden, N. J. Architect, private plans. Owners, The New Jersey Coal Manufacturing Co., 527 Columbia avenue, Camden. Brick, 2 stories, 40x50 feet, slag roof, electric lighting. Owners are sub-letting all contracts.

School Building, Riverview (Upper Neck Township), N. J., \$36,000. Architects, Moffett & Stewart, 30 North Third street, Camden. Owners, School Board, Riverview, N. J. Brick and stone, 2 stories and basement, 90x60 feet, slag roof, combination lighting, hardwood floors, dampproofing and waterproofing. Plans in progress.

Business Block, Pennsgrove, N. J., \$9,500. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owner, L. W. Cook, Pennsgrove, N. J. Hollow tile and stucco, 2 stories, 60x40 feet, slag roof, hot water heating, combination lighting, hardwood floors, waterproofing and dampproofing. Plans in progress.

Library Building, Camden, N. J., \$130,000. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owners, City of Camden, City Hall, Camden, N. J. Donor, Eldridge R. Johnson, president, Victor Talking Machine Co., Camden, N. J. Stone and steel, fireproof, 1 story, 108x56 feet, reinforced concrete floors, promenade tile roof, steam heating, electric lighting, oak, cork and tile floors, metal lath, vacuum cleaning system, metal doors and trim, roof ventilators, fire doors, iron stairs. Architects taking bids, due April 5th at noon. The following are figuring: Irwin & Leighton, 126 North Twelfth street; George A. Fuller Co., Widener Building; F. L. Hoover & Sons, 1023 Cherry street; Warren, Moore & Co., Commercial Trust Building; Doyle & Co., 1519 Sansom street; Jacob Myers & Sons Co., Witherspoon Building, all of Philadelphia.

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Is the fellow who learns to advertise

NEW JERSEY Contracts Awarded

Factory Building, Camden, N. J., \$475,000. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, steel and concrete, 7 stories, slag roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing, metal sash and frames, safety treads, elevators. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Store and Apartments, Bridgeton, N. J., \$25,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Richard R. Miller, Bridgeton, N. J. Brick, 3 stories, 70x48 feet, slag roof, hot water heating, combination lighting, composition floors. Contract awarded to H. H. Hankins & Bro., Bridgeton, N. J.

Miscellaneous Construction News

Chemical Laboratory, Wilmington, Del. Architect, Robeson L. Perot, 34 South Seventeenth street, Philadelphia. Owner, Francis I. Du Pont, 1520 Delaware avenue, Wilmington. Brick and terra cotta, hollow tile, 1 story, 63x121 feet, asphalt shingles roof, tile work, composition and yellow pinpe floors, metal lath, (heating and electric work reserved). Architect taking bids, due April 3d. The following are figuring: Elfreth & Co., 1708 Sansom street; Pomeroy Const. Co., 1609 Ranstead street, Philadelphia; A. S. Reed & Bro. Co., 615 Shipley street, Wilmington, Del.

Residence and Garage, Wilmington, Del. Architect, Robeson L. Perot, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in about two weeks.

Auditorium Building, Savannah, Ga. Architect, Henrik Wallis, Savannah, Ga. Owners, City of Savannah, Savannah, Ga. Brick, limestone, granite, terra cotta, steel and reinforced concrete, 4 stories, 105x138 feet, slag, slate and tile roof, Clint Wire lath, dampproofing, composition and maple floors, ornamental iron work, (heating, plumbing and electric work separated bids). Owners taking bids, due April 4th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring. Plans may be obtained from architect on deposit of \$25.00.

Residence, Woodbury Falls, N. Y. Architects, Newman & Harris, 1123 Broadway, New York City. Owner, Charles E. Rushmore, 40 Wall street, New York City. Stone and terra cotta, 2 stories, 26x36 feet, tile roof, metal lath, oak floors, tile work, electric lighting, vacuum cleaner piping, waterproofing, (heating reserved). Architects have received bids.

Residence, Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Joseph A. Bowe, 909 Adams street, Wilmington. Brick, stone trimmings, 3 stories, 30x50 feet, slate roof, vapor vacuum heating, electric lighting, tile work, hardwood floors, metal lath. Plans about completed. Architect will take bids in a few days.

Apartment and Stores, Wilmington, Del., \$30,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owner, name withheld. Brick, steel and terra cotta, 4 stories, 30x70 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors, metal lath. Architect taking bids, due March 29th. The following are figuring: W. D. Haddock & Co., 804 Orange street; A. S. Reed & Bro. Co., 815 Shipley street; H. P. Carlon, 2430 West Eighteenth street; Charles H. Tindall & Son, 614 Tatnall street; Chas. J. Dougherty, 1809 Lincoln street; A. Downward, 809 Tatnall street, all of Wilmington, Del.

Department Store (alt. and add.), Wilmington, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Braunstein & Co., Wilmington, Del. Brick, terra cotta and steel, 3 stories, 48x150 feet, tin roof, steam heating, electric lighting, tile work, metal lath. A. S. Reed & Bro. Co., 815 Shipley street, Wilmington, Del., were lowest bidders. Plans may be revised.

Warehouse and Sheds, Savannah, Ga. Architect, J. E. Sirrine, Greenville, S. C. Owners, Savannah Warehouse and Compress Co., Savannah, Ga. Consists of 10 sheds, 75x880 feet each; warehouses, 300x300 feet each, brick, steel and concrete, Barrett's or asbestos roofs, cement and concrete floors, wood pile foundations. Architect has received bids.

Service Building, Wilmington, Del. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owners, Delaware Motor Sales Co., Wilmington, Del. Reinforced concrete, brick and terra cotta, 2 stories, 132x122 feet, slag roof, electric lighting, metal sash, metal lath (heating, plumbing, tile work and elevators reserved). Architect taking bids, due April 3rd. Metzger & Fisher, Denckla Building, and Pomeroy Construction Co., 1609 Ranstead street, and H. L. Brown, 1714 Sansom street, Philadelphia, are figuring.

Hospital (add.), Farnhurst, Del., \$60,000. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owners, Delaware State Hospital for Insane, Farnhurst, Del. Brick, reinforced concrete floors, 3 stories, 61x173 feet, slate roof, metal lath, waterproofing (plumbing, heating and electric work separate bids). Owners taking bids, due April 4th at 4.30 P. M. Pomeroy Construction Co., 1619 Ranstead street; Metzger & Fisher, Denckla Building; H. L. Brown, 1714 Sansom street, all of Philadelphia, are figuring.

School (alt. and add.), Brandywine Hundred, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owners, The Dupont School, on premises. Stone, hollow tile and reinforced concrete floors, 2 stories, 75x98 feet, shingle roof, waterproofing, maple floors, tile and marble work, metal lath, steel lockers, iron stairs, slate blackboards. Architects taking bids, due April 1st. Pomeroy Construction Co., 1609 Ranstead street, and H. L. Brown, 1714 Sansom street, Philadelphia, are figuring.

Miscellaneous Contracts Awarded

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, Winthrop B. Wood, 2214 Gilpin avenue, Wilmington. Hollow tile and

brick, 2 stories, 35x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors, dampproofing. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Residence, Garage and Garden, Wilmington, Del., \$50,000. Architects, Wilson Eyre & Melvaine, 1003 Spruce street, Philadelphia. Owner, Frank G. Tallman, 1102 Broome street, Wilmington, Del. Brick, hollow tile and plaster, 2½ stories, 74x96 feet, shingle roof, hot water heating, electric lighting, waterproofing and dampproofing, tile work, metal weather strips, clothes dryers, cork tile floors, oak floors. Contract awarded to Edward Johnson & Son, 1411 Harrison street, Wilmington, Del.

Maryland

Construction News

Residence, Guilford, Baltimore, Md. Architect, Edw. L. Palmer, Munsey Building, Baltimore. Owners, Roland Park Co., Munsey Building, Baltimore. Frame and stucco, 2½ stories, slate roof, hot water heating, electric lighting, plumbing and plastering. Plans about completed. Architect will take bids in about ten days.

Residence, Gilman Country School, above Roland Park, Md. Architect, Edw. L. Palmer, Munsey Building, Baltimore. Owners, Gilman Country School, on premises. Stone, 2½ stories, slate roof, hot water heating, electric lighting, tile bath, hardwood floors, marble trimmings. Plans in progress. Architect will be ready for bids in about two weeks.

Residence, Ten Hills, Md., \$8,500. Architect, George R. Morris, Title Building, Baltimore. Owner, Charles Reeder, Fidelity Building, Baltimore. Frame, 2½ stories, electric lighting. Architect will take sub-bids on all lines.

Residence (alts. and add.) and Garage, Cold Spring lane and Hawthorn road, Roland Park, Md. Architect, Walter M. Gieske, Gunther Building, Baltimore. Owner, F. R. V. Williams, president, Finance and Guaranty Co., Calvert and Roland Park. Consists of general interior and exterior alterations, new wing, porches, hot water heating, new bath rooms; garage, 1 story, frame. Plans in progress.

Maryland

Contracts Awarded

Residence, Whitfield road, Guilford, Md. Architects, Ellicott & Emmart, Union Trust Building, Baltimore. Owner, Dr. J. T. Geraghty, 411 Professional Building, Baltimore. Hollow tile and stucco, 2½ stories, 50x46 feet, tile roof, vacuum vapor heating, electric lighting, concrete foundations, tile work. Contract awarded to Gladfelter & Chambers, 729 Roland avenue.

Garage, Cathedral street, near Mt. Royal avenue, Baltimore. Architect, Oliver B. Wight, Munsey Building. Owner, J. Wilson Leakin, 813 Fidelity Building, Baltimore. Lessees, Auto Car Sales and Service Co., on premises. Brick and steel, 4 stories, 48x130 feet, slag roof, steam heating, electric lighting, freight elevator. Contract awarded to B. F. Bennett Building Co., 123 South Howard street, Baltimore.

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Editorial Comment

The "Craftsman Magazine" is running a series of articles on "The Home of the Future" that bid fair to take rank as notable contributions to the literature of architecture. The article in the March number, by Mr. H. T. Lindeberg, is so rich in quotable things about our American domestic architecture that we should like to reproduce it here in full for the benefit of our readers if the necessary space could be spared. Inasmuch as this not possible, we shall try to content ourselves with touching here and there upon the many attractive things Mr. Lindeberg finds to say about country house planning and design.

"The first beautiful flower of architecture in America was the Colonial, with its many variations, from the old plantation house of Greek inspiration to the Dutch Colonial in Pennsylvania and the Adam-Colonial in New England," writes Mr. Lindeberg. "It was an architecture suited to those days, born of the interest as well as the memory of the people, and furniture came from the hands of native craftsmen that fitted it and silver to adorn the table and fabrics and tapestries for the walls. This artistic state lasted just so long as the people were held in check; but once the freedom of the land was ours, with all its fairy wealth and undiscovered beauty, we were up and away again. And all along the trail from New Amsterdam to the Pacific Coast we camped—we lived in wagons, in dug-outs, we contented ourselves for a month or two in log cabins, we developed new characteristics with this roving free life, we became a new race, a new nation."

Architecture as a fine art ceased to exist during this period. The man whose concern is to throw up quickly a place of shelter in the wilderness does not stop to think of the artistic.

* * *

But as we grew rich through our successful ventures, we suddenly became ingenuously and hopelessly elaborate in our tastes. Then we reacted in an extraordinary degree to the modern French influence.

"Nothing," writes Mr. Lindeberg, "could have been more disastrous to the development of American architecture. This does not mean that I have any criticism to make of the Beaux Arts school—for France; but for America I want an architecture, both public and domestic, that is suitable to the people and expresses them.

"There was a long period of time when the foreign stamp was the hall mark of beauty for Americans. The foreigners who visited us did not think much of our country, it was large and empty and alien to them, our homes were without comfort or charm to them; we lacked tradition and sentiment. An strangely enough, we permitted foreigners to establish for us an impertinent point of view toward our own land, and we grew to believe not only

that we did not possess art, but that we could never create it. We were told so by foreign artists, and we told each other so, and hastened away to Europe to bring back beauty. And we found it, and brought it back, and tried our utmost to acclimatize it to our American spirit, but it was hopeless. We built imitation Trianon paplases, we had little Versailles gardens and we came up from the heart of New England and out from the great plains of the West to live in them and we never had a moment's comfort or real enjoyment beyond the satisfaction of our pride."

* * *

"Within the last decade or so there has been a widespread revival of interest in home making in America, an immense upspringing of individual delight in home construction. Our architects are practically turning their back on Europe, not on her history and tradition and inspiration, but on the desire to reproduce individual models of European architecture in America. They are studying our own landscape, North, East, South and West; they are building to suit it, and they are building houses out of the materials that are intimate to the landscape. Although the wooden house is no longer built in the city or in any community where houses are very closely established, wood is nevertheless a much valued and very beautiful material for houses in large open spaces, in the mountains, at the seashore, on the country lane. And I feel confident that the time will come when this material will be so handled by that mysterious agency known as fireproofing that we shall even see beautiful wooden houses again in our towns and villages.

"Of course," says Mr. Lindeberg, "very few people who are building beautiful homes have the time to take up a thorough study of architecture, and although they have in mind the kind of house they want, the men who are putting much money into buildings to-day naturally turn to architects for advice. This is perfectly reasonable, is of advantage to the builder and a great advantage to the growth of a beautiful architecture because if all people were left to devise their own houses without very much time to think or plan, we should have a return to that terrible period of architecture in America which has facetiously been dubbed 'the early Garfield style,' and was the expression of the American mind freeing itself from early native tradition and from foreign influence."

* * *

These "early Garfield" structures, poorly built, have largely passed away. "But they have lasted long enough to prove the value of some standardization of architecture in our country, the need of a certain guidance from people who are giving their life to the art

for the man who is thinking for the first time of building a house.

"Just as a symphony orchestra of really intelligent and gifted musicians requires a conductor to accomplish the final production of a great piece of music, so I think in building the architect who has trained himself to study art, men and landscapes, can be a very valuable factor in giving comfort and beauty to the home lover in producing permanent architectural beauty for the country."

After speaking of the importance of simplicity as a means to the finest in country house design, Mr. Lindeberg writes:

"Formerly we felt that the minute we wanted space in our homes, we must have miniature palaces or houses that looked like a Roman capitol or suggested little Parthenons. I no longer believe that a different kind of architecture is necessary for a large building. **Whatever is good for the small house, whatever is wise in its construction, in its proportion, in its roof lines, in its grouping of windows, in its balance, is good on an enlarged scale. We do not have to change the style of architecture to suit space.** This was one of the fatal errors of our first American houses. Now, as a matter of fact, I believe that many a peasant cottage in France or Germany or England could, in the inherent excellence of its construction, in the wisdom of its proportion, in the beauty of its line, be enlarged into a satisfactory and artistic structure for the larger house to-day.

* * *

"I have one client who has brought this forcibly before me recently. When I asked him just the kind of house he wanted, he said, 'I want it large, comfortable, sanitary, beautiful, and then I want the outside to look humble.' I consider this the perfect description of ideal American domestic architecture. By humble he did not mean poor or tawdry or inharmonious; he meant that he wanted the home quality everywhere. He did not want the effect of St. James' Palace and the Madeleine and the cloisters at Bologna all combined in marble from Italy to overwhelm and shadow his neighbors.

"In every house I build I find it more and more interesting—this study of simplicity. I no longer find it necessary to have large window frames, I have a simple gutter instead of molded eaves, I make my roof a waving line of beauty in many colors, my windows are not always strictly balanced, I do not demand absolute similarity in the two sides of my house, the porch is an opportunity for sunlight and air. I am not striving ever for impressiveness, but always to eliminate, to do away with every idle bit of wood or concrete or piece of brick and constantly, as I am developing the outside to that of the inside, of the home side.

* * *

"The great difficulty with old colonial architecture, the trouble I find when I am asked to revive it for a client," remarks Mr. Lindeberg, "is the fact that its formality, its balance, the various external attributes that give it is classic beauty, of necessity impinge upon

the interior of the house. One room after another in those lovely old houses resembled each other as closely as one home did another. The rooms were arranged to conform to the windows and the gables and the entrance. No variation could be made without changing the exterior, and that would have been an architectural crime. **To-day I feel that the real builders of homes are thinking first of the charm and the beauty of the interior, of the fireplaces and the windows that will admit sunlight, of the opening of one room into another, making the hall light, of convenient bath rooms well ventilated, of nurseries in which little folks flourish.** In other words, we are putting into our architecture (every man who is building well, and they are an ever increasing number), the free, wholesome, enlightened spirit that should belong to a free, wholesome, enlightened democracy. Indeed, all architecture that matters must rise or fall by the spirit that fashions it. Whitman believed this; he saw into the truth of the relation of homes to the people when he said: 'You thought not to destroy those valuable houses standing fast, full of comfort, built with money. May they stand fast then? Not an hour, unless you above them and all stand fast.'

* * *

"In the past we have been a little afraid of having our architecture too plain, just as we have been afraid of having our lives too simple. We have not realized that increased decoration did not always make for more beauty, that the purpose of art was to express something very fundamental and splendid in nature, not to adorn human beings. So in making our houses, if we use all our materials with the set purpose of building excellent homes without regard to former architectural expressions without fear, we may in time achieve without reproach. Much of this spirit is to-day being put into the English country architecture; indeed, much of it has always been in the English home. I believe this is because, from the very beginning, the English people, perhaps from their insular position in relation to other nations, have accepted their homes as an immensely important institution; they have been rovers, ever of sea-faring disposition, but never for long; they have not been good settlers of many countries, except as colonists; the homing instinct has always brought them back to their own nation, and this instinct has built for them the most beautiful, capacious, comfortable home structures in the world. You feel in every well built English home a direct purpose. It is built to give happiness, to become the place in which people shall be contented, a place for birth and death, for all life; not merely amusement, but for wholesome human existence. A study of the spirit of English domestic architecture, old and new, would be of value to our own architects, not to create any spirit of imitation, but to bring about a realization of the purpose, the fine expression, and the true achievement of the English architects."

On the subject of the prevailing drabness

of American country houses, Mr. Lindeberg observes:

"I think in building our houses here in America we have been a little ashamed or afraid to make them look joyous. We have softened all our colors on our houses and in our gardens. But more and more we are getting away from this; we are no longer afraid to have playful effects in the use of color. We like the French blue blinds and the black lintels and the variegated roofs, our gardens are filled with brighter flowers, and here and there an architect is with beautiful effect introducing the colored tiles into the ornamentation of concrete houses. Mr. Goodhue has done this with rare beauty in his San Diego dwellings. You see it occasionally in New York even in business buildings, and more and more often in houses near the seashore where the concrete weathers into misty grayness, and the architecture needs the relief of permanent brilliant tone. Beautiful tiles are made to-day in rich blues and greens, and the effect of these when wisely introduced as decoration gives very much the same joy as a vivid flower garden or a stained glass window."

* * *

Do you wonder that we write with some enthusiasm of Mr. Lindeberg's article? Here is an architect who has ideas—one of the little group of really notable men whose work is giving us an American architecture, an architecture informed by true artistic feeling and one based upon the world-old principles of sentiment, harmony and balanced proportion.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

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SOUTHERN PINE ASSOCIATION DEPARTMENT HEADS AT INFORMAL MEETING

Secretary-Manager Rhodes, of the Southern Pine Association, tendered the heads of the departments and field force a dinner in appreciation of their loyalty and devotion to the association.

There were sixteen plates, and the dinner was served at Galatoire's, one of New Orleans' famous French restaurants. It was an informal gathering, productive of much good, and it has served to bring the secretary-manager into closer contact with the employees of the association who are handling under his supervision the enormous amount of detail work.

Mr. Rhodes made a statement on the work that the association has already done and the plans for 1916, and the evening was spent discussing the best means of accomplishing the results desired. Many useful suggestions were made, and the meeting proved such a success that Mr. Rhodes announces that in the future he will bring the heads of the departments together about once a month in similar conferences.

Those present were: J. E. Rhodes, secretary-manager; Wallace J. J. Ferry, advertising manager (Kansas City); Edward E. Myers, assistant secretary; A. G. T. Moore, traffic manager; F. P. Hamilton, paving engineer; J. E. Jones, chief inspector; T. E. Flanders, instructor of grades; J. C. Valadie, engineer; F. V. Dunham, field agent; E. W. Brown, auditor; F. Marfese, inspection department; W. M. Murphy, superintendent mailing room; E. E. Pendleton, exhibit expert; H. C. Berckes, file clerk; C. W. Vuncannon, inspection department; Arnold Von Schrenk (St. Louis), representing Dr. Hermann Von Schrenk.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Joseph A. Blair (O), 4523 North Eighth street. Cost, \$5,200. Two dwellings, brick, 2 stories, 15x42 feet, Seventh and Courtland streets.

Caledonian Dye Co. (O), Emerald and Westmoreland streets. Stewart Bros. (C), 2428 Orkney street. Cost, \$11,000. Factory, brick, 2 stories, 72x80 feet, Emerald and Westmoreland streets.

Free Library (O), Thirteenth and Chestnut streets. Fred A. Havens (C), 845 North Nineteenth street. Cost, \$45,000. Library, brick, 89x82 feet, Hunting Park avenue and Wayne avenue.

Michael Althans (O), 5929 North Thirteenth street. Cost, \$2,000. Dwelling, stone and brick, 2 stories, 16x32 feet, Syrenham and Courtland streets.

Third United Brethern Church (O), Logan, Philadelphia. W. E. Hollenback (C), Fifteenth and Race streets. Cost, \$27,000. Sunday school, stone, 2 stories, 98x70 feet, Camac and Wyoming streets.

Rimer & Byer (O), 4842 Hawthorne street.

Cost, \$20,000. Four dwellings, brick and stone, 3 stories, 15x48 feet, 1206-12 Harrison street.

C. Kiely (O), 312 W. Seymour street. Cost, \$12,000. Eight dwellings, stone and brick, 2 stories, 15x41 feet, Eleventh and Windrim streets.

Barrett Mfg. Co. (O), Bermuda and Tucker streets. A. R. Raff (C), 1635 Thompson sts. Cost, \$19,000. Laboratory, brick, 2 stories, 65x60 feet, Bermuda and Tucker streets.

A. Lynn Walker (O), Forty-sixth and Walnut streets. A. G. Steffen (C), 4601 Woodland avenue. Cost, \$60,000. Hotel, stone, 4 stories, 100x89 feet, Fortieth and Walnut streets.

Fred E. Aaron (O), Thirty-eighth and Powelton avenue. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$21,000. Storage and warehouse, brick, 5 stories, 41x67 feet, Thirty-eighth and Powelton avenue.

Atlas Ball Co. (O), Third and Glenwood avenue. Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$12,000. Shop and storage, brick, 1 story, 120x28 feet, Third and Glenwood avenue.

Alterations and Additions

John M. Osborn (O), 5927 Girard avenue. William S. Gale (C), 6031 Haverford avenue. Cost, \$400. Stable, 1527 Redfield street.

Powers, Weightman & Rosen (O), East Falls, Philadelphia. Monaghan & Losse (C), 214 South Twelfth street. Cost, \$800. Shed, Ridge avenue and Calumet street.

Dr. P. W. Johnson (O), 1519 Girard avenue. Cost, \$550. Garage, 1528 Flora street.

Henry Ulrich (O), 4018 Kensington avenue. Harry Hetzel (C), 1506 Womrath street. Cost, \$900. Store, 4016 Kensington avenue.

C. F. & A. Kaercher (O), 3039 Susquehanna avenue. Ed. Rieben (C), 2632 West Cumberland street. Cost, \$4,700. Garage, 2908 West Fletcher street.

J. D. Fisher (O), 5718 Market street. Cost, \$3,000. Dwelling and garage, 5424 Thompson street.

S. & L. Geltzer (O), 3223 Oxford street. A. Shestack (C), 528 Reed street. Cost, \$450. Store and dwelling 3223 Oxford street.

Joseph Mogul (O), 329 South Fifth street. L. Kaplan (C), 509 Delancey street. Cost, \$3,000. Store and dwelling, 329 South Fifth street.

J. L. Shoemaker (O), 916 Arch street. H. B. Miewey (C), Jenkintown, Pa. Cost, \$500. Garage, Fifth and Berks streets.

Bernheimer & Sundheim (O), 1001 Chestnut street. Joseph Levins Co. (C), 1530 South Sixth street. Cost, \$4,500. Garage, 2441 North Mascher street.

Estate of James Cave (O), Robinson street and Haverford avenue. Cost, \$900. Ice manufactory, on premises.

Clark Dillenback (O), 123 West Upsal street. F. W. Van Loon (C), Denckla Building. Cost, \$2,000. Dwelling and garage, 123 West Upsal street.

J. & J. Dobson, Inc. (O), Philadelphia. Wm. H. Ambrose (C), Unity and Leverington streets. Cost, \$3,300. Boiler room, Unity and Leverington streets.

E. Truman (O), 2130 North Thirty-second street. M. J. Benamy (C), 3042 York street. Cost, \$535. Store and dwelling, 2130 North Thirty-second street.

John W. Spielman (O), Stephen Girard Building. James W. Orr (C), 3532 Kensington avenue. Cost, \$13,400. Thirteen stores, Sixty-second and Market streets.

James Hutchinson (O), Rittenhouse and Greene streets. Lam Building Co. (C), 1001 Wood street. Cost, \$2,800. Store, 5906-8 Germantown avenue.

Hahnemann Hospital (O), Fifteenth and Race streets. R. P. Perkins (C), 513 Hale Building. Cost, \$4,000. Hospital, Fifteenth and Race streets.

E. T. Houghton (O), 2742 Mascher street. Bushnell Bros. (C), 2146 East Norris street. Cost, \$3,800. Factory and storage, 2742-50 North Mascher street.

Kohn Adler Co. (O), 720 Market street. P. M. Sax (C), Heed Building. Cost, \$500. Store, 720 Market street.

Pasquale Verda (O), 941 Annin street. Cost, \$600. Dwelling, 941 Annin street.

Eynon-Evans Co. (O), Fifteenth and Clearfield streets. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$10,000. Manufacturing building, Fifteenth and Clearfield streets.

Trumbull Waste Co. (O), Leverington and Baker avenue. G. H. Yarnall (C), 8722 Ridge avenue. Cost, \$8,500. Storage, Leverington and Baker streets.

Mrs. Stucator (O), 1018 Pine street. Chas. Glasshofer (C), 1119 Germantown avenue. Cost, \$1,850. Store and dwelling, 1018 Pine street.

Wm. Beury (O), 1604 Allegheny avenue. J. G. Dietrich (C), 104 W. Penn street. Cost, \$1000. Dwelling, Twenty-third and Tioga streets.

K. Krevitz (O), 3929 North Fifth street. Barnett Cohan (C), 5021 Walnut street. Cost,

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\$1,000. Dwelling, 3929 North Fifth street.

Samuel Racher (O), 721 South Fifty-first street. Baskan Bros. (C), 926 Snyder avenue. Cost, \$2,000. Store and dwelling, 608 South Fifty-sixth street.

Stephenson Bros. (O), 110 Race street. A. H. Spenard (C), 822 Wood street. Cost, \$625. Storage, 110 Race street.

John A. Dougherty (O), 5101 Walnut street. John P. Fallon (C), 449 South Sixtieth st. Cost, \$2,000. Store and dwelling, Fifty-second and Arch streets.

Thomas Martino (O), 1019 South Ninth street. A. Wilt & Sons (C), 721 North Front street. Cost, \$500. Store and dwelling, 1019 South Ninth street.

Lewis S. Filber (O), Wayne and Zerelda streets. H. E. Sweger (C), 4415 North Uber street. Cost, \$13,300. Garage, Wayne and Logan streets.

Wm. R. Fox (O), 6141 Columbia avenue. J. N. McGarvey (C), Sixty-third and Columbia avenue. Cost, \$500. Garage, 6141 Columbia avenue.

C. S. Tyson, Jr. (O), 1900 Spruce street. J. P. Thompson (C), Real Estate Trust Building. Cost, \$7,000. Dwelling, 1900 Spruce street.

Morris Blumberg (O), 513 North Franklin street. Fiskman & Lisner (C), 237 Richmond street. Cost, \$500. Dwelling, 513 North Franklin street.

G. Greenough (C), 4810 Trinity place. Makin Heating Co. (C), 6 North Eighteenth street. Cost, \$475. Dwelling, 4808 Trinity place.

Miss M. A. Fank (O), 1701 Montgomery avenue. S. B. MacDowell & Sons (C), 1927 Montgomery avenue. Cost, \$600. Garage, 1701 Montgomery avenue.

Houston Estate (O). James Spear Stove & Heating Co. (C), 1823 Market street. Cost, \$435. Dwelling, 8040 St. Martins lane.

Cleveland Worsted Mills Co. (O), Allegheny avenue and Emerald street. Sutton & Stephenson (C), 1317 Washington avenue. Cost, \$1,870. Toilet rooms, Allegheny avenue and Emerald street.

Stull Co. (O), 30 South Fifteenth street. A. P. McCauley (C), 1831 Brandywine street. Cost, \$1,200. Restaurant, 30 South Fifteenth street.

American Bridge Co. (O), 30 Church street., N. Y. C. Cost, \$20,000. Machine shop, Main and Dawson streets, Manayunk, Philadelphia.

A. Essick (O), 1913 South street. Frank & Kaiser (C), 1522 South Sixth street. Cost, \$350. Store and dwelling, 839 South street.

D. E. Dallem, Agt., 514 Walnut street. J. Baisley Iron Works (C), 514 South Delaware avenue. Cost, \$470. Cigar factory, 21-25 North Second street.

Eyrson & Evans Mfg. Co. (O), Fifteenth and Clearfield streets. H. R. Heinwick, Inc. (C), Drexel Building. Cost, \$1,610. Chimney, Fifteenth and Clearfield streets.

Jonathan Ring & Sons Co., Inc. (O), Philadelphia. Pittsburgh, Des Moines Steel Co. (C), 50 Church street, N. Y. C. Cost, \$1,900. Tank supports, Hancock and Montgomery avenue.

H. Burstein (O), Fortieth and Westminster avenue. P. Savar (C), 718 Snyder avenue. Cost, \$6,675. Garage, Fortieth and Westminster avenue.

I. X. L. Pump Co. (O), 957 North Ninth

street. C. H. Hoffman (C), 210 Dickinson street. Cost, \$350. Manufacturing building, 957 North Ninth street.

University of Penna. (O), Philadelphia. Chris. Hoffman (C), 210 Dickinson streets. Cost, \$1,300. School, Thirty-sixth and Woodland avenue.

City of Philadelphia (O). Babcock Wilcox Co. (C), North American Building. Cost, \$12,000. Boiler house, State road and Rhawn street.

Girard Estate (O), Philadelphia. Chas. P. Biggam Co. (C), 1829 Harlan street. Cost, \$1,500. Warehouse, 220 Filbert street.

Dill & Collins Co. (O), Richmond and Tioga streets. Wm. Steel & Sons Co. (C), 1600 Arch street. Cost, \$35,000. Manufacturing building and storage, Richmond and Tioga streets.

J. B. Brill Co. (O), Sixty-second and Woodland avenue. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$1,000. Grand stand, Sixty-seventh and Grays avenue.

J. T. Miller, Jr. (O), 66 North Thirteenth street. Brownworth & Co. (C), 1611 Sansom street. Cost, \$350. Store and dwelling, Fifteenth and Dauphin streets.

University of Penna. (O), Thirty-sixth and Spruce streets. Brownworth & Co. (C), 1611 Sansom street. Cost, \$500. Nurses home, Thirty-sixth and Spruce streets.

Mrs. P. Miller (O), 309 Doris road, Llanerch, Pa. B. V. Gainber (C), 1700 West Tioga street. Cost, \$325. Store and dwelling, 1704 Passyunk avenue.

Josephine Gladding (O), 758 North Fifty-second street. Otto Kuehne (C), Glenwood avenue and Opal street. Cost, \$850. Store and dwelling, 661 North Fifty-second street.

Robert Main s(O), Lansdowne avenue. Wm. Heffleford, Jr. (C), 2823 Hedley street. Cost, \$365. Dwelling, 6615 Lansdowne avenue.

Merdenberg Est. (O), 908 Chestnut street. Basch & Co. (C), 1436 South Front street. Cost, \$800. Store and offices, 908 Chestnut street.

Wayne De Long (O), Cheltenham avenue and Morris street. Geo. S. Shunk (C), 1432 North Thirteenth street. Cost, \$950. Storage, Musgrave street and Gorgas lane. Cost, \$1,625. Garages (13), Musgrave street and Gorgas lane.

Paul Freeman (O), 1011 Chestnut street. A. P. Fraim (C), 319 Market street. Cost, \$655. Store, 1210 Walnut street.

Benny Guentz (O), 4918 Lancaster avenue. A. P. Lucker (C), 1727 North Fifty-first st. Cost, \$1,900. Store and dwelling, 4916 Lancaster avenue.

Phila. Bag Co. (O), Water and Tasker sts. Frank G. English (C), 1608 North Carlisle street. Cost, \$2,000. Building, Water and Tasker streets.

H. Harrison (O), 768 South Fifth street. M. Kaufman (C), 827 Watkin street. Cost, \$360. Store and dwelling, 768 South Fifth street.

Edw. W. Scarlett (O), 5317 Master street. Phila. Bill Posting Co. (C), 814 Walnut street. Cost, \$500. Sign, 5192-94 Lancaster avenue.

L. Menamin (O), 5603 Market street. Samuel Master (C), 317 North Sixty-first st. Cost, \$400. Garage, Fifty-fifth and Haverford avenue.

L. Gorden (O), 4344 Germantown avenue. H. H. Yerger (C), 4430 North Nineteenth st.

Cost, \$1,700. Store and dwelling, 4344-46 Germantown avenue. streets.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

If you can persuade people to buy your goods you make money. "The Guide rounds up in its clientele the people you want to persuade. A certain amount of space and the right kind of selling argument does the rest.

Statement of the Ownership, Management, Circulation, etc.

Statement of the Ownership, management, circulation, etc., required by the Act of Congress of August 24, 1912, of The Philadelphia Real Estate and Builders' Guide, published weekly at Philadelphia, for April 1, 1916:

State of Pennsylvania,
County of Philadelphia.

ss.
Before me, a Notary Public in and for the State and county aforesaid, personally appeared Louis S. DeLone, who, having been duly sworn according to law, deposes and says that he is the Secretary of the Building News Publishing Company, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in Section 443, Postal Laws and Regulations, to wit:

1. That the names and addresses of the publisher, editor, managing editor and business managers are:

Publishers, Building News Publishing Co., Perry Building, Philadelphia, Pa.

Editor, John Irving Dillon, 5716 Christian street, Philadelphia.

Managing Editor, none.

Business Manager, none.

2. That the owners are:
Building News Publishing Company.

William S. Harvey, 2nd, Bala, Pa.; Louis S. DeLone, 6419 Drexel Road, Philadelphia, Pa.; Samuel R. McDowell, Narberth, Pa.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent. or more of total amount of bonds, mortgages, or other securities are none.

(Signed)

Building News Publishing Co.,

Louis S. DeLone, Secretary.

Sworn and subscribed before me this 22nd day of March, 1916.

Edward J. Toole, Notary Public.

(My commission expires January 21, 1917.)

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****E. B. BADGER & SONS CO.**, manufacturers of copper boilers, expansion joints, pantry sinks, and general copper work, has opened a New York office at 101 Park avenue, in charge of D. J. Dever.

****JOHN Z. DOLPH CO.**, manufacturers of insulating paints and compounds, has moved from 317 New Jersey Railroad avenue to 168 Emmett street, Newark, N. J., where the capacity of the plant has been more than doubled.

****A. N. JOHNSON**, recently connected with the Bureau of Municipal Research of New York City, has accepted the position of consulting highway engineer for the Association of American Portland Cement Manufacturers.

****C. J. CURTIN**, of the Farnham-Cheshire Lime Company, and Elliot Smith, of Candee, Smith & Howland Co., have been nominated for president and vice-president, respectively, of the Building Material Exchange. The election will be held in April.

****H. L. LEWMAN**, for the last two years president of the National Association of Builders' Exchanges, was recently elected an honorary life member of the organization in recognition of his untiring effort in behalf of the association during his administration.

****NEW ENGLAND ENGINEERING CO.** has discontinued its branch office at 30 Church street, New York City, and will in future conduct the business from its main office at Waterbury, Conn.

****E. M. HAGER**, formerly of the Universal Portland Cement Co., has accepted the presidency of the Wright Company, of 5 Nassau

street, New York, manufacturing aeroplanes.

****R. A. KIEFER** has recently been placed in charge of the New York office of the Gardner Governor Co., of Quincy, Ill. The office is located in the Singer Building, 149 Broadway.

****NATIONAL FIREPROOFING CO.**, last year, according to President W. D. Henry, passed through a period of marked depression, aggravated by the Chicago building strike. Business of the company is now improving, he adds, 1,390 cars of products being shipped in January last, compared with 990 cars in January, 1915. Operations for 1915 resulted in a deficit of \$98,907, compared with \$55,895 in 1914. No dividends were paid last year.

****JAMES B. OLSEN** has been appointed general sales manager of the Habirshaw Electric Cable Co., recently formed by the consolidation of the Habirshaw Wire Co., the Electric Cable Co. and the Waterbury Co. For the last eighteen years he had been sales manager for the Habirshaw Wire Co., and prior to that had been connected with the sales department of the New York Insulated Wire Co.

****NATIONAL ELECTRIC UTILITIES CO.**, manufacturers of Neuco heating appliances, has removed its New York offices and display rooms to 103 Park avenue. The factory in New York City has been discontinued, and a new factory opened in Danbury, Conn. The company manufactures household ranges, together with hotel and restaurant electrical equipment, and electrical heating and drying appliances for mills and factories.

AMERICAN COAL PRODUCTS COMPANY CHANGES NAME TO THE BARRETT COMPANY.

It is announced that the American Coal Products Company and the Barrett Manufacturing Company have decided to unite the good-will and high reputation of both concerns under the name of The Barrett Company.

The American Coal Products Company is well known in connection with the sale of Sulphate of Ammonia, and heretofore owned the stock of the Barrett Manufacturing Company.

The fact that all the coal tar chemicals, disinfectants, roofing, waterproofing, road-making and wood preserving materials have been made and widely advertised in the name of the Barrett Manufacturing Company has added immensely to the good-will attached to the Barrett name. This increase, however,

has not been connected in the minds of the general public with the securities of the American Coal Products Company.

The new company will have the same amount of stock as the American Coal Products Company and the change in name will be accomplished by exchanging the outstanding certificates share for share.

Some of the widely advertised trade-marks of the Barrett Manufacturing Company will be recognized in Barrett Specification Roofing, Taraia, for roads, and Congoleum floor coverings—the latter being manufactured and distributed by The Congoleum Company department of the Barrett Company.

The products of the Chemical Department of the Barrett Company are receiving particular attention at this time, due to the European situation, and it is expected that this branch of the business will be of larger importance hereafter, as the advantage of an American

source of supply will doubtless appeal to users of these products in this country.

The Barrett Company in this department has produced for many years pure (natural) Carbolie Acid, Cresylic Acid, Refined Naphthaline (in various forms), Benzol, Toluol, etc., in addition to which they also now manufacture considerable quantities of Synthetic Carbolie Acid (Phenol).

MAKES SALES HEADQUARTERS AT PHILADELPHIA.

The Cherry River Boom and Lumber Company, manufacturers and wholesalers of spruce, hardwoods and cypress, have established sales headquarters in Philadelphia, with offices in the Pennsylvania Building, Fifteenth and Chestnut streets, to which address all correspondence should be sent. Heretofore the selling department has been quartered with the executive offices at Scranton. The company also controls the output of the Hebard Cypress Company, which now centers its selling activity at Philadelphia, which location provides for a somewhat quicker handling of inquiries from the trade. The company also maintains branch offices at 52 Vanderbilt avenue, New York.

* * *

WACCAMAW BRAND GUM FLOORING.

Messrs. Currie & Campbell, wholesalers of spruce, hemlock and hardwoods at Philadelphia, are making a special drive with their Waccamaw brand of gum flooring. This brand of flooring has just been used exclusively in several new buildings in and near Philadelphia, including that of the Lincoln Furniture Company, the Claremont Apartments and the Linker Building, in Philadelphia, and the Keystone Leather Company, at Camden.

* * *

TO SPECIALIZE IN SOUTHERN HARDWOODS.

Joseph A. Murray, who was formerly employed by Lewis Thompson & Co., has organized the firm of Joseph A. Murray & Co., and has taken offices in the Widener Building, Philadelphia. The new firm will specialize in the handling of Southern hardwoods.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

The man who is "going to do some advertising next year—maybe" gets his advertising in the end in the shape of an obituary.

Don't lose your grip. Noah was 600 years old before he knew how to build an ark.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Automobiles.**
 Eastern Motors Corporation,
 1634 Chestnut st., Phila.
- Blue Prints.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ransstead st., Phila.
 Russell and Keffer, Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Knickerbocker Lime Co...366 N. 24th st., Phila.
- Cement.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Knickerbocker Lime Co...266 N. 24th st., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
- Cement Colors.**
 Samuel H. French & Co., 4th and Callowhill sts.
- Columns (Metal).**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Concrete Construction.**
 Turner Concrete Steel Co...1715 Sansom st., Phila.
- Concrete Mixers.**
 Pierce-Schmidt Co.....Bulletin Bldg., Phila.
- Contractors' Equipment.**
 Pierce-Schmidt Co.....Bulletin Bldg., Phila.
- Dampproofing.**
 The Aquabar Co...Real Estate Trust Bldg., Phila.
 The Barrett Co.....New York City and Phila.
- Builders' Steel Products Co.,**
 131-133 S. 24th st., Phila.
- Door Hangers.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
- Drawing Materials.**
 Richards-Wilcox Mfg. Co....50 N. 6th st., Phila.
- Electrical Specialties.**
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.
- Electrical Construction.**
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.
- Engineers' Supplies.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Fences.**
 Anchor Post Iron Works,
 Real Estate Trust Bldg., Phila.
- Fireproofing.**
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Flooring.**
 Currie & Campbell Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Furnaces.**
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
 Borden Stove Co.....118 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
- United Gas Improvement Co.,**
 Broad and Arch sts., Phila.
- Granite.**
 Holmesburg Granite Co.,
 Commercial Trust Bldg., Phila.
- Heating Contractors.**
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.
- T. S. Johnson Sons Co....622 Cherry st., Phila.**
- Heating (Vapor).**
 Vapor Heating Co.,
 York, Pa., and North American Bldg., Phila.
- Heating Boilers.**
 H. B. Smith.....1225 Arch st., Phila.
- Insurance.**
 Harris J. Latta.....Penna. Bldg., Phila.
- Iron Work (Structural and Ornamental).**
 James G. Madden...Franklin Bank Bldg., Phila.
- Ladders.**
 T. C. Krewson.....801 Master st., Phila., Pa.
- Lockers.**
 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.
- Lumber.**
 Currie & Campbell...Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Howard Ketcham.....3d and Girard ave., Phila.**
- James E. Tague & Co.,**
 10th and Columbia ave., Phila.
- Marble Mosaic.**
 Belfi Bros. & Co.....20-22 S. 19th st., Phila.
- Metal Lath.**
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- N. J. Wire Cloth Co.,**
 Trenton, N. J., and 627 Market st., Phila.
- Pearce Fireproof Co.....1345 Arch st., Phila.**
- Mill Supplies.**
 The Fairbanks Co.....7th and Arch sts., Phila.
- Mill Work.**
 Penn Planing Mill Co.....Reading, Pa.
 O. M. Weber Co.....North Wales, Pa.
- Mortar Colors.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Office Furniture.**
 Wm. H. Hoskins Co.....904 Chestnut st., Phila.
- Overhead Carrying Systems.**
 Richards-Wilcox Mfg. Co....50 N. 6th st., Phila.
- Painters.**
 C. Albert Kuehnle.....28 S. 16th st., Phila.
- Paints and Varnishes.**
 Felton, Sibley & Co.....136 N. 4th st., Phila.
 Samuel H. French & Co., 4th and Callowhill sts.
- Eugene E. Nice.....268 S. 2nd st., Phila.**
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 The Fairbanks Co.....7th and Arch sts., Phila.
- Plaster.**
 N. J. Plaster Co.Trenton, N. J.
- Plumbing Fixtures.**
 Fleck Bros. Co.....44 N. 5th st., Phila.
 James A. Vogel Co.....Wilmington, Del.
- Preservatives (Wood and Concrete).**
 The Barrett Co.....New York City and Phila.
- F. E. Sagendorph.....131 S. 24th st., Phila.**
- Radiators.**
 H. B. Smith Co.....1225 Arch st., Phila.
- Ranges.**
 Borden Stove Co.....118 N. 2d st., Phila.
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
- Refrigerators.**
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 T. S. Johnson Sons Co.....622 Cherry st., Phila.
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 Glen Rock, Pa., & Land Title Bldg., Phila.
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- Surety Bonds.**
 Harris J. Latta.....Penna. Bldg., Phila.
- Switchboards.**
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- Terra Cotta (Architectural).**
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- Test Borings.**
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- John B. Rulon.....1355 Colwyn st., Phila.**
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- Builders' Steel Products Co.,**
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 1927 Montgomery ave., Phila.
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 1927 Montgomery ave., Phila.
- Wire Work.**
 Audubon Wire Cloth Co., Inc....Audubon, N. J.
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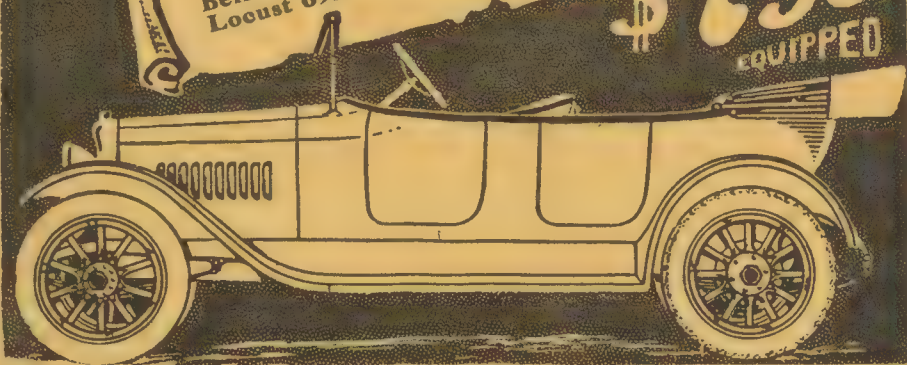
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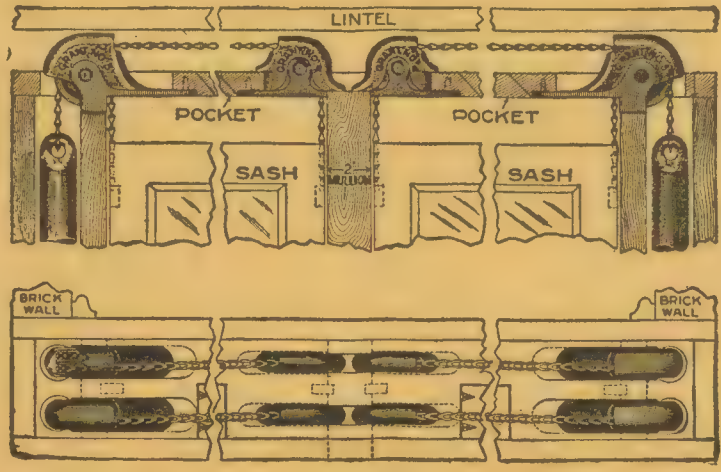
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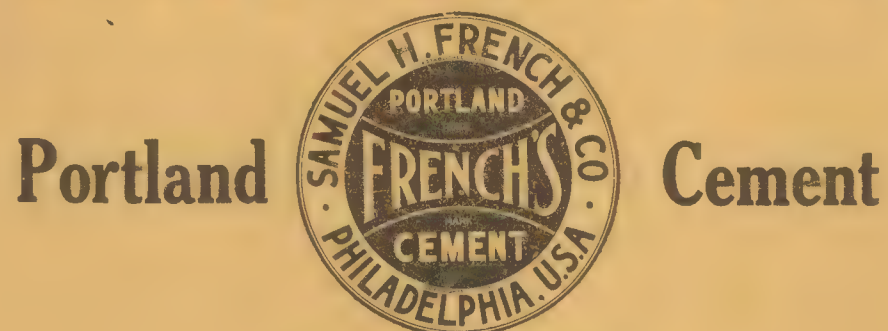
ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXXI., No. 14.

PHILADELPHIA, WEDNESDAY, APRIL 5, 1916.

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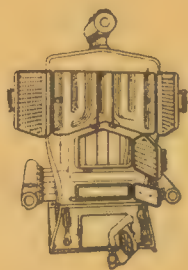


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(124)

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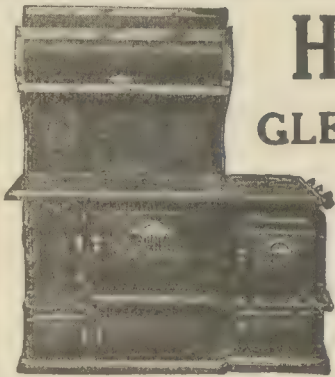
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Made to give the most in service—Beautiful in design—Highest in quality, Fleck's plumbing fixtures, backed by the ironclad "Fleck Guarantee" stand as the last word in sanitation.

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Form of Subcontract	.02
Letter of Acceptance of Subcontractor's Proposal	.01
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These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

F. WEBER & CO. Architects', Artists' & Engineers' Supplies 1125 Chestnut St., Phila. Baltimore, Md. St. Louis, Mo.

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(Improved)

The Best Wall Plaster
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"WINDUSTITE" Metal Weather Strips

Save Fuel.

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OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXXI., No. 14.

PHILADELPHIA, WEDNESDAY, APRIL 5, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Factory (add.), 410 to 416 North Fourth street, Philadelphia. Engineers, F. Geo. F. Pawling Co., 1432 South Penn Square, Philadelphia. Consulting Engineers, Purcell & Emslie, Chicago, Ill. Owners, Alexander Brothers, 410 South Third street, Philadelphia. Reinforced concrete and brick, 4 stories, addition, 88x37 feet, on front of the present building; 5-story addition, 90x72 feet, on back of present building, slag roof. Owners taking bids, due April 5th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Wm. Steele & Sons Co., 1600 Arch street; A. R. Raff Contracting Co., 5163 Thompson street; George F. Pawling Co., 1432 South Penn Square, and Turner Concrete Steel Co., 1712 Sansom street, Philadelphia.

Restaurant (alt. and add.), Delaware avenue and Dock street. Architect, Geo. I. Lovatt, 416 Walnut street, Philadelphia. Owners Michel Roast Beef Co., on premises. Brick, 1 story, 12x27 feet, slag roof, and interior alteration, (refrigerating separate bids). Architects taking bids, due April 6th. The following are figuring: Frank Turner, 828 Broadway, Camden, N. J.; Frank Lucci, 1351 Christian street; Warren T. Miller, 621 Cherry street; and Thomas Little & Son, 1714 Moravian street.

Paint Factory (alt. and add.), 230 to 234 North Twelfth street, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Denny, Hilborn & Rosenbach, on premises. Brick and reinforced concrete, 5 stories, 60x90 feet, slag roof, steam heating, electric lighting. Architects taking bids, due April 5th. The following are figuring: A. Raymond Raff Const. Co., 1635 Thompson street; Freund-Siedenbach Co., Bulletin Building; Frank G. Stewart, 1619 Sansom street; Conneen Const. Co., Commercial Trust Building; James P. Farrel & Co., Inc., 1619 Sansom street; Warren, Moore & Co., Commercial Trust Building; H. E. Baton, Twelfth and Sansom streets.

Factory (add.), Frankford avenue and Allen street. Engineer, M. Ward Easby, Crozer Building, Philadelphia. Owners, Ajax Metal Co., Frankford avenue and Richmond street. Brick, concrete and steel, 4 stories, 40x80 feet,

slag roof, metal sash, electric lighting. Engineer is taking sub-bids, due April 4th.

School and Church and Rectory, northeast corner Mascher and Master streets. Architect, Peter F. Getz, 2249 North Fourth street, Philadelphia. Owners, Sacred Heart R. C. Church, care Rev. Francis B. Tomanyi, 1425 Frankford avenue, Philadelphia. Church and school, or 4 stories and basement, 50x74 feet, slag roof; rectory, brick, details not decided, steam heating, electric lighting. Plans in progress.

Store (alt.), Sixtieth and Haverford avenue, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, Herman Swift, 6163 Woodland avenue, Philadelphia. Consists of general interior alterations, electric lighting, mineral flooring. Plans in progress. Architects will be ready for bids in a few days.

Department Store (add.), southwest corner Eleventh and Girard streets. Architect, J. T. Windrim, Commercial Building, Philadelphia. Owners, Stephen Girard Estate, Lafayette Building, Philadelphia. Lessees, N. Snellenburg & Co., Eleventh and Market streets, Philadelphia. Brick, steel and concrete, 8 stories, 60x300 feet, composition roof, steam heating, electric lighting, elevators, concrete floors. Plans in progress.

Office Building (add.), Twelfth and Thompson streets, Philadelphia. Engineer, Charles A. Blatchley, Drexel Building, Philadelphia. Owners, Schutte & Koerting Co., on premises. Consists of additional story on present 5-story building. Brick, 80x47 feet, slag roof; steel sash, iron stairs, yellow pine floors, (heating reserved). Engineer taking bids, due April 14th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; H. E. Grau Co., 1707 Sansom street; F. W. Van Loon, Denckla Building; A. R. Raff Const Co., 1635 Thompson street.

Church (remodeling), 5331 Pulaski avenue. Architects, Druckenmiller & Stackhouse, Land Title Building, Philadelphia. Owners, Faith Presbyterian Church, Rev. R. H. Armstrong, 220 W. Coulter street. Brick, plastered, 1 story, 19x80 feet, tin roof, hot water heating, electric lighting, metal lath, pine floors.

Builders, F. L. Hoover & Sons, 1023 Cherry street, are taking sub-bids on all lines.

Bridge, over Hortter street, Germantown. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad St. Station. Reinforced concrete. Owners taking bids, due April 17th at 11 A. M. Plans may be obtained at Room 607, Broad St. Station.

Residences (27), Tenth and Loudon streets, Philadelphia. Architect, private plans. Owner, W. B. Davenport, Fourth and Lindley avenue. Brick, 2 stories, 16x45 feet, slag roof, hot water heating, electric lighting. Owner is taking sub-bids.

Residences (77), Twenty-sixth and Allegheny avenue, Philadelphia. Architects, private plans. Owner, A. M. Zane, Land Title Building, Philadelphia. Brick, 2 stories, 15x44 feet, slag roof, hot water heating, electric lighting. Work started.

Residences (60), Ogontz and Cheltenham avenues. Architect, private plans. Owners, Clark & Graighead, 5008 North Fifteenth st., Philadelphia. Brick, 2 stories, 15x44 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owners taking sub-bids on all lines.

Mezzanine Floor, 28 South Sixth street. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, A. J. Drexel Estate, Drexel Building. Fire doors, sprinklers, (electric work reserved). Architects have received bids.

Residence and Garage, Fern Rock, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, M. Edward Morton, Melrose, Pa. Frame, 2½ stories, 38x34 feet; garages (2), 31x20 feet, shingle roof, electric lighting, tile work, hardwood floors, (warm air heating reserved). Architects have received bids.

Bank Building, 1431 and 1433 Chestnut st., Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Logan Trust Co., on premises. Granite, limestone and steel, fireproof, 4 stories, 7x95 feet, Barrets roof, waterproofing, metal lath, metal sash, dumb-waiters, iron stairs, tile and marble work, (elevators, heating, electric work and

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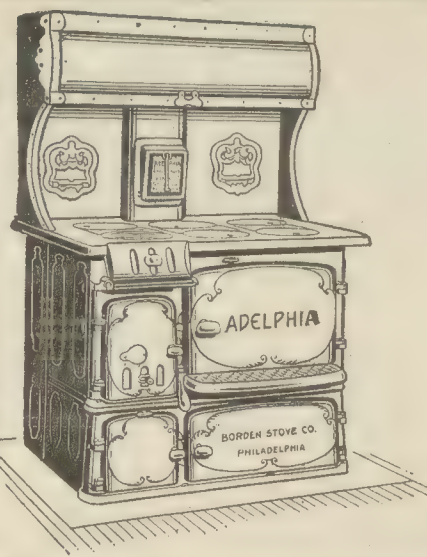
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bank fixtures reserved). Architects taking bids, due April 10th. The following are figuring: Cramp & Co., Denckla Building; O'Meara Construction Co., 253 South Quince street; Metzger & Fisher, Denckla Building; Geo. A. Fuller Co., Widener Building; Smith-Hardican Co., 1606 Cherry street; Jacob Mayers & Sons Co., Witherspoon Building; Barclay White Co., Perry Building; Boyle & Co., 1519 Sansom street; Geo. J. Watson, 905 North Marshall street; H. E. Baton, Twelfth and Sansom streets; R. C. Ballinger & Co., 218 N. Thirteenth street; Chas. McCaul Co., 1713 Sansom street, Philadelphia.

Synagogue, Third street below Fitwater st., \$15,000. Architects, B. J. Medoff & Son, 524 Walnut street, Philadelphia. Owners, Piroth Joseph Congregation, on premises. Brick and terra cotta, 2 stories, 34x64 feet, composition roof, steam heating, electric lighting. Plans about completed. Architects will take bids in about one week.

Stores, southeast corner Broad and Girard avenue, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Clarence L. Marks, 6801 North Twelfth street, Philadelphia. Brick, terra cotta and concrete, 2 stories, 20x160 feet, slag roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about three weeks.

Inbound Freight Warehouse, Front and Federal streets, Philadelphia. Architect, Wm. H. Cookman, Broad St. Station, Philadelphia. Engineer, A. C. Shand, Broad St. Station, Philadelphia. Owners, Penna. Railroad Co., Broad St. Station. Reinforced concrete, brick and terra cotta, 5 stories, 462x60 feet, slag roof, metal sash, fire doors, steel rolling doors, iron stairs, metal lath, asphalt floors, sprinkler system, steam heating, electric lighting, (5) elevators, waterproofing. Lowest bids submitted by Turner Concrete Steel Co., 1713 Sansom street, Philadelphia, (1) \$304,267; (2) \$298,055.

Residence (alts.), 1810 Spruce street. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. J. P. Crozer Griffith, on premises. Brick, 3 stories, consists of interior alterations, (heating, plumbing and electric work reserved). Architects have received bids.

Residence (alt. and add.), Grovers Lane, Philadelphia. Architects, Furness, Evans &

Co. and S. Chas. Willing, Provident Building. Owner, Wm. L. Barclay, on premises. Brick and plaster, 2 1/2 stories, tin roof, electric lighting, oak floors, tile work. Architects have received bids.

Residence (alt. and add.), Garage, Hortter street and Wissahickon avenue. Architect, Wm. H. Cookman, 420 W. Price street, Germantown. Owner, Samuel M. Clement, Jr., West End Trust Building. Stone, 2 1/2 stories, consists of general alterations and new garage. Plans in progress.

Factory and Loft Building (add.), 1512 and 14 Callowhill street. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, George H. Sherwood & Son, on premises. Brick, 4 stories, 40x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence (alt. and add.), 1607 North Broad street, \$9,000. Architect, private plans. Owner, Henry N. Wessel, 1505 Diamond street, Philadelphia. Brick, 3 stories, tin roof, hot water heating, electric lighting, tile work, oak floors, book cases and materials. Builders, Freund-Siedenbach Co., Bulletin Building, taking sub-bids on all lines.

Factory (alts.), Wayne avenue, Wayne Junction, Philadelphia. Architects, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Orlando Grease Mills, on premises. Brick, 1 and 3 stories, slate and slag roof, steam heating, electric lighting, fire escapes, metal sash, sprinklers. Builders, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia, taking sub-bids on all lines.

Business Building, northwest corner of Fifteenth and Walnut streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick, terra cotta and reinforced concrete, fireproof, 4 stories, slag roof, steam heating, electric lighting, tile work, elevator. Plans about completed. Architect will soon take bids.

Residence (add.), Sixty-fourth and City Line, Overbrook, Pa. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, Mrs. James Martin, on premises. Stone, brick and glass. Architects taking bids, due April 5th. Sutton & Stephenson, 1317 Washington avenue, are figuring.

Garage, 306 North Thirty-fifth street, Philadelphia. Architect, Albert W. Dilks, 1001 Chestnut street, Philadelphia. Owner, E. P.

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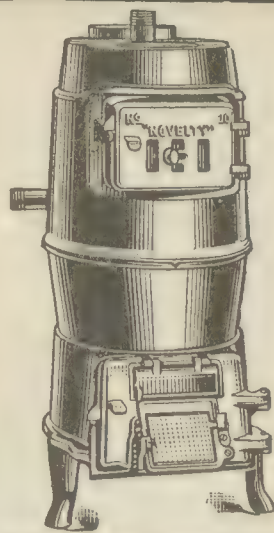
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Alexander, on premises. Brick, 1 story, 18x25 feet, slag roof, cement floors, metal lath (plumbing, heating, electric work, gasoline tank and pump reserved). Architect taking bids, due April 6th. H. E. Grau Co., 1707 Sansom street, Philadelphia, are figuring.

Store Building, 213 Market street, Philadelphia. Architect, private plans. Owner, H. N. Diesel, 4943 Chester avenue, Philadelphia. Brick, 3 stories, 20x100 feet, slag roof, steam heating, combination lighting, maple floors. Owner is ready for sub-bids.

Residences (36), Marshall and Bristol sts., Philadelphia. Architect, private plans. Owner, F. B. J. Branagan, 537 West Erie avenue, Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, hot water heating, electric lighting, hardwood floors. Plans in progress. Will take bids in about two weeks.

Garage, 306 North Thirty-fifth street, Philadelphia. Architect, Albert W. Dilks, 1001 Chestnut street, Philadelphia. Owner, E. P. Alexander, on premises. Brick, 1 story, 18x25 feet, slag roof, cement floors, metal lath (plumbing, heating, electric work, gasoline tank and pump reserved). Architect taking bids, due April 6th. In addition to those previously reported, Eugene Tourison, 1001 Chestnut street; Melody & Keating, Bailey Building; A. R. Raff Const. Co., 1635 Thompson street; F. A. Hoover & Co., 845 North Nineteenth street, all of Philadelphia, are figuring.

Residence and Garage, Abington street and Lincoln Drive. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building. Stone, 2½ stories, shingle roof, electric lighting, tile work, pine floors (heating reserved). Architect taking bids, due April 7th. The following are figuring: Henry L. Brown, 1714 Sansom street; John E. Walt, 204 East Willow Grove avenue; Wm. J. Gruhler & Co., 219 East High street; Pringle Borthwick, 8013 Germantown avenue, all of Philadelphia.

Boys' High School, northeast corner of Forty-ninth and Chestnut streets, Philadelphia, \$100,000. Architects, E. F. Durang & Sons, Fuller Building, Philadelphia. Owner, Archbishop Prendergast, Eighteenth and Race sts., Philadelphia. Stone, 3 stories and basement, fireproof. Will contain gymnasium, auditorium, 24 class rooms, etc. Slag roof, steam heating. Plans about completed. Architects will take bids in a few days.

Pump House, Seventh and Lehigh avenue, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Hardwick & Magee Co., on premises. Reinforced concrete, waterproofing, fire doors. Architects taking additional bids, due as soon as possible. H. E. Batton, Twelfth and Sansom streets, and P. Haibach Cont. Co., Twenty-sixth and Thompson streets, are figuring.

Lodge Building, 1619-21 South street, Philadelphia. Architect, Henry DeHoff, 48 South Sixty-first street, Philadelphia. Owners, I. B. P. O. E. W., O. V. Cato Lodge, No. 20, on premises. Brick, 1-story addition, 12x20 feet, slag roof, electric lighting (heating separate bids). Architect ready for bids in a few days.

Machine Shop, Forty-fifth and Lancaster avenue, Philadelphia. Architect, private plans. Owners, Hess Machine Company, 2512 Callowhill street. Brick and stone, 1 and 2 stories, 55x120 feet, slag roof, electric lighting. Owners taking bids. Sutton & Stephenson, 1317 Washington avenue, are figuring (only bidders).

Hotel (add.), southeast corner of Thirteenth and Pine streets, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owner, A. Scott, Scott Hotel, on premises. Brick and terra cotta, 4 stories, 25x60 feet, slag roof, electric lighting, plumbing, interior marble work, tile work, hardwood floors (vapor vacuum heating separate bids). Architect is taking bids, due April 6th. The following are figuring: Mitchell Bros., 2125 Race street; S. Bannett & Son, Drexel Building; J. F. Trent, 2041 Master street; C. A. LeGates, 322 North Cross street.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, Roundford road and Ardleigh st., \$9,000. Architect, private plans. Owner, Robert MacDonald, Jr., 7342 Sprague street. Stone, 2½ stories, 29x42 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Howard Snowden, Ambler, Pa.

Store and Showrooms (alts.), 1525 Locust street, Philadelphia, \$4,000. Architects, E. J. Holmes & Co. and C. Wharton Churchman, 1211 Walnut street, Philadelphia. Owners, E. J. Holmes & Co., 1311 Walnut street, Philadelphia. Brick and marble, 3 stories, tin roof, steam heating, electric lighting, oak floors. Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

Locker Rooms (alt. and add.), 126 South Thirtieth street, \$4,000. Architect, Herbert J. Wetherill, 28 Chestnut street, Philadelphia. Owners, Wetherill & Bro., on premises. Slag and reinforced concrete roof, reinforced concrete floors, electric lighting, fire door, maple floors, metal lath, iron stairs, metal lockers, (heating and plumbing reserved). Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Factory and Office Building, Leverington and Wilde streets. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Fred Pearson & Co., on premises. Brick, 4 stories, 159x54 feet; office building, 18x41 feet, proposal bond, slag roof, steel sash, fire doors, roof ventilators, (heating and electric work and elevator reserved). Contract awarded to A. L. Fretz & Son, 1222 Chancellor street.

Factory, Tacony and Louis streets, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owners, John Illingworth Steel Co., on premises. Frame and steel, brick and concrete foundations, 1 story, 60x150 feet, slag roof. Contract awarded to F. T. Mercer Co., 1225 Chancellor street.

Factory (alts.), 921 to 927 Newmarket st., Philadelphia. Engineer, F. N. Kneas, Commonwealth Building, Philadelphia. Owners,

Geo. W. Kugler & Sons Co., on premises. Consists principally of shoring and new cement pavements and driveways. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

Dairy Building and Stable, 1211 North Fourth street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Jones Dairy Co., on premises. Brick, terra cotta and enameled bricks, concrete floors, 2 stories, 166x30 feet, slag roof, metal lath, electric lighting, fire doors, metal sash, (heating reserved). Contract awarded to Concrete Const. Co., 2000 Market street.

Residence, Forty-eighth and Kingsessing avenue, Philadelphia. Architect, Charles Balderston, 411 Walnut street, Philadelphia. Owner, Charles H. Heustis, 4628 Larchwood avenue, Philadelphia. Brick, stone trimmings, 3 stories, 27x48 feet, slate and tin roof, (hot water heating and electric lighting separate bids). Contract awarded to Monaghan & Losse, 214 South Twelfth street.

Alterations for Apartments, 3142 North Broad street, Philadelphia. Architect, LeRoy B. Rothschild, Bulletin Building, Philadelphia. Owner, Frank P. Hood, Bulletin Building, Philadelphia. Brick, 33 stories, steam heating, electric lighting, plumbing and carpenter work. Contract awarded to S. E. MacDowell & Son, 1927 Montgomery avenue.

Alterations for Apartment, 4511 Springfield avenue. Architect, Le Roy B. Rothschild, Bulletin Building, Philadelphia. Owner, Frank P. Hood, Bulletin Building, Philadelphia. Brick, 3 stories, steam heating, electric lighting, plumbing and carpenter work. Contract awarded to S. B. MacDowell & Son, 1927 Montgomery avenue.

Office Building, 4523 Tacony street, Philadelphia. Architect, private plans. Owners, Miller Lock Co., on premises. Brick, 1 story, 70x90 feet, slag roof, steam heating, electric lighting, tile work, fire doors, office partitions, vault doors. Contract awarded to Warren, Moore & Co., Commercial Trust Building.

PENNSYLVANIA Construction News

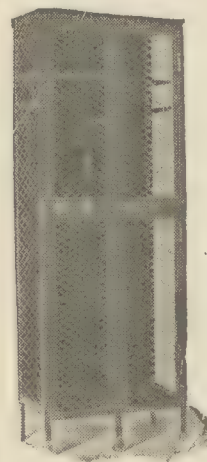
High School, Carbondale Heights, Pa., \$150,000. Architect, Owen McGlynn, Simon-Long Building, Wilkes Barre, Pa. Owners, Board of Education, Carbondale, Pa. Brick, 3 stories, slate and composition roofing, steam heating, electric lighting, waterproofing. Owners ready for bids April 15th.

Apartment, 400 Block, Arthur avenue, Scranton, Pa., \$10,000. Architect, John S. Thomson, 717 Connell Building, Scranton, Pa.

Owner, Geo. Neher, Scranton, Pa. Frame and stucco, 2 stories, 35x56 feet, shingle roof, steam heating, electric lighting, waterproofing. Plans in progress.

Hotel Terrace (alt. and add.), Scranton, Pa. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners, Bonnell & Delaney, Vine and Wyoming avenue, Scranton. Consists of general alterations and additions.

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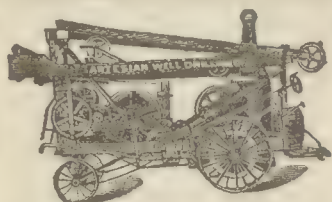
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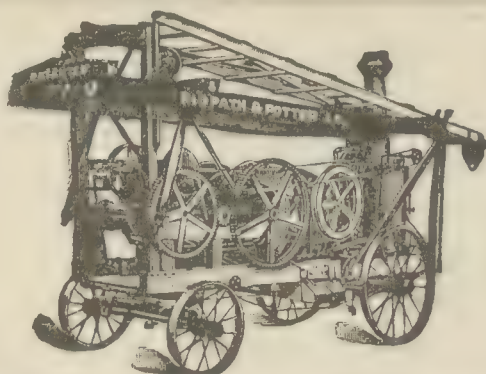
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Plans in progress. Will take bids in one week.

Store and Apartments, Forest City, Pa. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, Timothy Killacullon, Forest City, Pa. Frame, 2 stories, 25 x 55 feet, slag roof, hot water heating, electric lighting. Plans in progress.

Twin Residence, North Main avenue, Scranton, Pa. Architect, F. J. Neilly, Peoples Bank Building, Scranton, Pa. Owner, C. Schields, N. Bromely avenue, Scranton, Pa. Frame, 2½ stories, 36x48 feet, slate roof, steam heating, electric lighting. Plans in progress.

Warehouse, Pittston avenue and Willows st., Scranton. Architect, F. J. Miller, Peoples Bank Building, Scranton, Pa. Owner, A. F. Westfahl, 629 Pittston avenue, Scranton, Pa. Brick and stucco, 2½ stories, 38x40 feet, slag roof, steam heating, electric lighting, steel ceilings, elevators. Plans in progress.

Apartment, Hazle street, Wilkes Barre, Pa., \$28,000. Architect, H. A. Maier, Exchange Building, Wilkes Barre, Pa. Owner, Felix Constine, Wilkes Barre, Pa. Brick, stone, terra cotta and steel, 4 stories, 45x98 feet, slag roof, steam heating, electric lighting, composition and hardwood floors, waterproofing, safety treads, ornamental iron. Plans about completed. Architect will take bids in a few days.

Garage, Olyphant, Pa., \$25,000. Architect, F. J. Miller, Peoples Bank Building, Scranton, Pa. Owners, Roberts Lumber and Realty Co., Peekville, Pa. Brick and reinforced concrete, 3 stories, 44x70 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, waterproofing and dampproofing. Plans completed. Architects ready for bids.

Sanitarium (adds.), Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanitarium for Tuberculosis, Samuel F. Dixon, 1900 Race street, Philadelphia. Stone and hollow tile and plaster; dining building, 3 stories, 65x47 feet; medical directors' residence, 2½ stories, 44x54 feet, asbestos shingle roof, metal lath, iron stairs, kalamein doors, metal sash, yellow pine floors, fire escapes, (heating, plumbing and electric work separate bids). Lowest bid submitted by Henry L. Brown, 1714 Sansom st., Philadelphia, \$53,022.

School, Forty Fort, Pa., \$35,000. Architects, Newberry & Foster, Wilkes Barre, Pa. Owners, Board of Education, Chas. P. Crosby, secretary. Brick and steel, hollow tile and reinforced concrete, terra cotta trimmings, 2½ stories, 63x79 feet, slag roof, blower system of heating, electric lighting, reinforced concrete floors, metal lath, dampproofing, iron stairs, ventilators, safety treads. Plans about completed. Owners will take bids in about two weeks.

Apartment House, Washington street, Wilkes Barre, \$110,000. Architect, Henry A. Maier, oCal Exchange Building, Wilkes Barre. Owners, H. A. & F. Maier, 701 Coal Exchange Building, Wilkes Barre. Marble, granite and limestone, hollow tile fireproofing, steel doors, 6 stories, 100x108 feet, slag roof, steam heating, electric lighting, hollow tile fireproofing, wood and concrete floors, metal windows, iron stairs, elevators, dumb-waiters and

ventilators. Architect taking revised bids.

Silk Factory and Boiler House, Wilkes Barre, Pa., \$110,000. Architect, Geo. S. Welsh, Coal Exchange Building, Wilkes Barre. Owners, Duplan Silk Co., Fourth avenue and Seventeenth street, New York City. Brick, hollow tile, reinforced concrete, 2 stories, 160x200 feet, slag and glass roof, reinforced concrete floors, (steam heating and electric lighting reserved), steel sash. Plans about completed. Architect will be ready for bids in about two weeks.

High School, Shenandoah, Pa., \$100,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre, Pa. Owners, Board of Education, John Cuff, secretary, Shenandoah, Pa. Brick, stone and steel, 2 stories, 96x150 feet, slag roof, tile work, metal lath, roof ventilators, slate blackboards. (Blower system of heating, plumbing and electric work separate bids.) Owners taking bids, due April 12th. John A. Schmitt & Sons, Wilkes Barre, Pa., and Nanticoke Const. Co., Nanticoke, Pa., are figuring.

Residence, Malvern, Pa. Architect, Francis A. Gugert, Wayne, Pa. Owner, W. A. West, Malvern, Pa. Brick and plaster, 2½ stories, 31x29 feet, shingle roof, hot water or vapor heating, electric lighting. Architect has received bids.

Residence, Elkins Park, Pa. Architect, Robert Wilson Pollock, 1202 Chestnut street, Philadelphia. Owner, David D. Chrisman, 3309 North Twelfth street, Philadelphia. Frame and plaster, 2½ stories, 32x24 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architect will take bids in about ten days.

Bank (alt.), 516 Spruce street, Scranton, Pa. Architect, R. W. Snyder, Title Building, Scranton, Pa. Owners, County Savings Bank, Scranton, Pa. Consists of general remodeling. Architect taking bids, due April 10th. The following are figuring: S. Sykes & Son, E. S. William, Peter Stipp, L. T. Stipp, Parsons Construction Co., all of Scranton, Pa.

Telephone Exchange, Pottstown, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone So. of Penna., Seventeenth and Arch streets. Brick, stone and steel, 3 stories, slag roof, steam heating, electric lighting. Plans in progress.

Residence and Garage, Cynwyd, Pa. Architect, Edward B. Delk, 34 South Seventeenth street, Philadelphia. Owner, Melville G. Curtis, Bala, Pa. Hollow tile and plaster, 2½ stories, 25x76 feet; wing, 14x18 feet; slate roof, hot water heating, electric lighting, tile and slate roof, hot water heating, electric lighting, tile work, oak floors. Architect taking bids, due April 12th. The following are figuring: J. Paul Emrey, 4907 Wynnefield avenue; James B. Flounders, 1329 Arch street; Eugene Tourison, 1001 Chestnut street; J. P. Thompson, Real Estate Trust Building; Harry Davis, 5100 Westminister avenue; F. B. Davis, 240 North Sixteenth street; Elmer L. Cuthbertson, 334 Roxborough avenue.

Parochial School, Wayne, Pa. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, St. Katherine of Siena Parish, Rev. Charles F. Kavanaugh. Brick,

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granite trimmings, 2 stories, 115x52 feet, tile and slag roof, waterproofing, yellow pine floors, slate blackboards (plumbing, heating and electric work separate bids). Architects taking revised bids, due April 10th at 12 M. The following are figuring: James P. Farrell

& Co., Inc., 1619 Sansom street; Conneen Const. Co., Commercial Trust Building; Wm. J. McShane, 417 South Thirteenth street; Jacob Myers & Sons Co., Witherspoon Building; John McShain, 1610 North street, Philadelphia, and James Maguire, Wayne, Pa.

PENNSYLVANIA

Contracts Awarded

Apartment and Store, Hazleton, Pa., \$35,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes Barre. Owner, Christian Bachman, Hazleton, Pa. Brick, steel and terra cotta, 3 stories, 120x70 feet, slag roof, steam heating, combination lighting, hardwood and tile floors, waterproofing. Contract awarded to John Erck, Hazleton, Pa.

Factory Building, Forty Fort, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes Barre. Owners, Jenkins-Kirby Packing Co., Wilkes Barre, Pa. Main building, 4 stories, 114x55 feet; garage, 1 story, 66x27 feet; power house, 1 story, 25x52 feet, wing, 24x41 feet; potato house, 2 stories, 64x20 feet, brick, concrete and steel, asphalt and gravel roofs, steel sash, metal lath, maple and concrete floors, iron stairs, fire doors, (plumbing, heating and electric work reserved). Contract awarded to E. T. Long, 28 N. State street, Wilkes Barre.

Silk Factory, Wilkes Barre, Pa. Architects, Leo & Hewitt, 1123 Broadway, New York City. Owners, Sheldon & Leach, Wilkes Barre, Pa. Brick and concrete, stories, 54x113 feet, steel sash, slag roof, steam heating, electric lighting, reinforced concrete floors, waterproofing and dampproofing, skylights, elevators. Contract awarded to A. L. Hildebrand, 91 Wood street.

Church, Malthy, Smoyersville Borough, Pa., \$35,000. Architect, Edward N. Finch, Peoples Bank Building, Wilkes Barre. Owners, Holy Trinity Slovak R. C. Church, Rev. Jos. Mateicka. Brick and steel, 1½ stories, 58x130 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing. Contract awarded to A. M. Hildebrand, 91 Wood street, Wilkes Barre, Pa.

Shop Buildings, Wilkes Barre, Pa. Architects, Sturdevant & Peggis, Coal Exchange Building, Wilkes Barre. Owner, Lehigh & Wilkes Barre Coal Co., Wilkes Barre, Pa. Brick, concrete and steel, wheelwright and paint shop, 2 stories, 75x40 feet, electric lighting, and plumbing; harness shop, 2 stor-

ies, 75x40 feet; car and carpenter shop; 1 story, 205x40 feet; dry kiln, 1 story, 23x24 feet, inlaid slate and asbestos shingle roofs, metal lath, hollow tile and concrete fireproofing, kalamein doors and trimmings, safety treads, iron stairs, wire partitions, steel sash, (heating and electric work reserved). Contract awarded to Shepherd Const. Co., 166 Franklin street, Wilkes Barre, Pa.

Residence, Hazleton, Pa., \$20,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes Barre. Owner, name withheld. Brick, terra cotta, marble and stucco, 3½ stories, 32x46 feet, tile roof, steam heating, combination lighting, tile and hardwood floors, metal lath, art glass. Contract awarded to John Erck, Hazleton, Pa.

Church and Rectory, Nanticoke, Pa., \$60,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre. Owners, St. Joseph R. C. Church, Rev. Sobota, Nanticoke. Brick and terra cotta, 1 and 2 stories, 56x130 feet and 34x43 feet, asbestos shingle roof, steam heating, electric lighting, metal lath. Contract awarded to Nanticoke Const. Co., Nanticoke, Pa.

Cigar Factory, Lancaster, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Bros. Co., Third and Spruce streets, Philadelphia. Reinforced concrete and brick, 3 stories, 80x280 feet, slag roof, (steam heating and electric lighting reserved), waterproofing, elevators, metal sash. Contract awarded to J. P. Breneman, Lancaster, Pa.

Residence and Garage, Merion, Pa. Architect, Frank Seeburger, Penna. Building, and C. F. Rabenold, Penna. Building. Owner, R. J. Hughes, 1509 North Sixteenth street, Philadelphia. Stone, 2½ stories, 28x70 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to Frank H. Mahan, Ardmore, Pa.

Residence, Lansdowne, Pa. Architects, Shore & Dodge, 606 Chestnut street, Philadelphia. Owner, C. A. A'Bocket, 4821 King-

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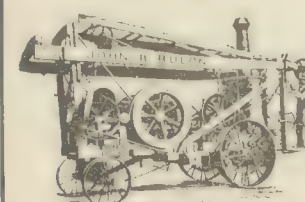
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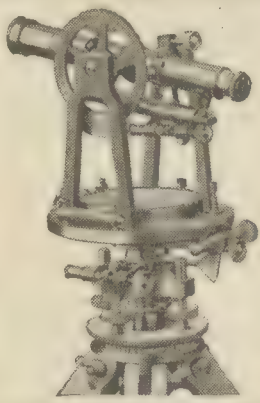
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sessing avenue, Philadelphia. Hollow tile or frame and stucco, 2½ stories, 24x41 feet, shingle roof, hot water heating, electric lighting, tile work, oak floors, metal lath. Contract awarded to the Lansdowne Construction Co., Lansdowne, Pa.

Residence, Swarthmore, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Paul Freedley, Swarthmore, Pa. Hollow tile and plaster, 2½ stories, 32x33 feet, shingle roof, electric lighting, tile work, (hot water heating reserved). Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Barn, Lansdale, Pa. Architect, Elbert Pa. Stone and concrete, 2 stories, 75x85 feet, Owners, Lansdale Mushroom Co., Lansdale, Pa. slag roof, electric lighting, new stall fixtures. Contract awarded to W. D. Lukens, North Wales, Pa.

Storehouse, Mahanoy Plane, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal. Brick, 1 story, 15x84 feet, slag roof, electric lighting, (oil storage system and heating reserved). Contract awarded to Andrew Breslin, Summit Hill, Pa.

Bridge, Brandywine Creek, south entrance to Lukens Iron & Steel Co., at Coatesville, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Reading Railway Co., Reading Terminal, Philadelphia. Concrete and steel, 4 span, 100 feet. Contract for steel and concrete awarded to P. McManus, Inc., Commercial Trust Building, Philadelphia. Contract awarded for waterproofing to H. W. Geshwind, Heed Building, Philadelphia.

Church and Parish House, Scranton, Pa. Architect, John B. Thomson, 717 Connell Building, Scranton, Pa. Owners, Shiloh Baptist Church, Scranton, Pa. Stone, stucco, iron, 2 stories, 40x78 feet, slate and slag and tin roof, steam heating, electric lighting,

maple floors, sliding partitions, skylights. Contract awarded to Williams, Finney & Belke, Green Ridge, Scranton, Pa.

Garage, Scranton, Pa., \$14,000. Architect, James A. Bassett, 716 Connell Building, Scranton, Pa. Owners, McLaughlin Bros., Scranton, Pa. Brick and steel, 2 stories, 40x90 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, metal sash. Contract awarded to Hagon Lumber Co., Hickory and Lattes streets, Scranton, Pa.

Tenant House (alt. and add.), Ardmore, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, William D. Winsor, Ardmore, Pa. Stone, 2 stories, canvas roof, electric lighting, yellow pine floors. Contract awarded to H. H. Burrell, 206 South Quine street, Philadelphia.

Residence, Bryn Mawr, Pa., \$7,500. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owners, Mr. and Mrs. George Souder, Bryn Mawr, Pa. Hollow tile and stucco, 2½ stories, 24x30 feet, shingle roof, hot water or vapor heating, electric lighting, oak floors, tile work. Contract awarded to Gray Bros., Rosemont, Pa.

Dance Hall, Willow Grove, Pa. Architects, Guy King & E. H. Wightman, 1513 Walnut street, Philadelphia. Owners, Ryan Amusement Co., care of architect. Steel frame and stucco, 1 story, 95x112 feet, slag roof (excavating, concrete work, grading, steel, plumbing and electric work reserved). Contract awarded to H. H. Wehmeyer, 1004 West Lehigh avenue.

Lodge Building, Phoenixville, Pa., \$20,000. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Loyal Order of Moose, Phoenixville, Pa. Brick, 2 stories and basement, 34x90 feet, slag roof, electric lighting, hot water heating, composition flooring. Contract awarded to James Keenan, Phoenixville, Pa.

taking bids, due April 10th. The following are figuring: James W. Draper, 436 Haddon avenue, Camden, N. J.; J. B. Rowan, Moorestown, N. J.; J. S. Rogers Co., Moorestown, N. J.; Walter Allen, Mt. Holly, N. J.; Hugh B. Miller, Edgewater Park, N. J., and Geo. W. Shauer & Son, Palmyra, N. J.

Service and Storage Buildings, Camden, N. J. Architects, Savary, Schentz & Savory, Stephen Girard Building, Philadelphia. Owners, Crew-Levick Co., Land Title Building, Philadelphia. Service building, 1 story, brick, 22x16 feet; storage building, 1 story, brick and reinforced concrete, 1 story, 70x30 feet, slag, slate and cement tile roofs, metal lath, waterproofing, steel sash, maple floors, (heating, electric work and gasoline pumps and tanks reserved). Architects taking bids, due April 7th. The following are figuring: Roydhouse-Arey Co., Fidelity Building; F. A.

Havens & Co., 845 North Nineteenth street; R. C. Ballinger & Co., 218 North Thirteenth street; H. E. Grau Co., 1707 Sansom street; Bailey-Lush Co., 201 North Broad street, all of Philadelphia, and Frank Turner, 828 Broadway, Camden, and J. S. Rogers Co., Moorestown, N. J.

Residence (alt. and add.), Woodbury, N. J. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Dr. Gilbert J. Palon, 2102 Chestnut street, Philadelphia. Frame, 2½ stories, shingle roof, hot air heating, electric lighting, tile work, hardwood floors. Architect has received bids.

Residence, Trenton, N. J., \$8,000. Architect, Harry A. Hill, 40 E. Estate street, Trenton, N. J. Owner, H. P. Humphrey, 29 Oak Lane, Trenton, N. J. Hollow tile and brick, 2½ stories, 42x37 feet, slate and birch floors. Architect taking bids.

Residence, Trenton, N. J. Architect, W. P. Endebrock, American Mechanics Building, Trenton. Owner, J. J. Bowden, Trenton, N. J. Brick, 3 stories, 14x37 feet, slag roof, hot water heating, electric and gas lighting, waterproofing. Architect taking bids, due April 1st. The following are figuring: David Pyle, Lewis Mangold, Wm. Munson, Jos. Dragan, Ed. Reeger, Hugh Thorpe, all of Trenton, N. J.

School Building, Franklinville, N. J. Architect, S. J. Hall, Franklinville, N. J. Owners, Board of Education of Franklin Township, Malaga, N. J. Brick, 1 story, 80x51 feet, tin roof, slate blackboards, yellow pine floors, (heating and plumbing separate bids). Owners taking bids, due April 8th. James P. Farrell & Co., Inc., 1619 Sansom street, Philadelphia, are figuring.

Residence and Garage, Ventnor, N. J. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, George A. Bourgeois, Real Estate and Law Building, Atlantic City. Brick and shingles, 2½ stories, 26x62 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. dampproofing and waterproofing. Architects have received bids.

Apartment House, Atlantic City, N. J., \$25,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, H. L. Vila, 514 Oriental avenue, Atlantic City, N. J. Brick, stone and reinforced concrete, 3 stories, 50x100 feet, slag roof, hot water heating, combination lighting, tile floors, waterproofing and dampproofing. Architect taking bids, due April 10th. The following are figuring: P. G. Hannum, Thompson Bros., H. G. Seull, Taylor & Son, all of Atlantic City, N. J.

Gargare Atlantic City, N. J. Architect, Frank Berry, Guarantee Trust Building, Atlantic City. Owner, Dennis A. Gormley, 704 Atlantic avenue, Atlantic City. Brick, 1 story, 47x64 feet, Carey roof, electric lighting, concrete floors. Architect will take sub-bids.

Office Building, Trenton, N. J. Architect, private plans. Owners, Pennsylvania Railroad Co., care of C. V. Massey, superintendent, Pennsylvania Railroad Co. station, New York City. Brick, 2 stories, 20x42 feet, slag roof, roof ventilators (heating, plumbing and electric work reserved). Owners taking bids, due April 4th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

New Jersey Contracts Awarded

Residences (20), Gardner avenue, West side, Trenton, N. J., \$40,000. Architect, private plans. Owners, Gardner Realty Co., Trenton, N. J. Brick and frame, 2½ stories, 14x30 feet, slate and tin roof, hot water heating, electric lighting. Contract awarded to Louis Levy, Trenton, N. J.

Residences (25), Second and Third streets, Trenton, N. J., \$32,000. Architect, private

NEW JERSEY Construction News

Chapel, Atlantic Highlands, N. J. Architect, Arnold H. Moses, 136 South Fourth st., Philadelphia. Owners, Episcopal Diocese of N. J., Rev. R. Bowden Shepherd, Dionesan House, Trenton, N. J. Frame, 1 story, 30x60 feet, shingle roof, hot air heating, electric lighting. Plans in progress.

Chapel, Bradley Beach, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Episcopal Diocesan House, Trenton, N. J. Frame, 1 story, 33x65 feet, shingle roof, steam heating, electric lighting. Plans in progress.

Residence, Moorestown, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, John G. Horner, Fourth and Market streets, Camden, N. J. Brick, 2½ stories, 37x58 feet, shingle roof, electric lighting, tile work, hardwood floors, (hot water heating, separate bids). Architect

plans. Owners, Robt. H. Johnston, Trenton, N. J. Brick, 2 stories, 14x28 feet, slag roof, hot air heating, gas lighting. Contract awarded to Harry Siegel, Trenton, N. J.

Office Building (alt. and add.), 511 Market street, Camden, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Dean S. Renwick, 520 Market street, Camden, N. J. Brick, 3 stories, slag roof, hot water heating, electric lighting. Contract awarded to Wm. Gongezer, Haddon Heights, N. J.

Residence (alt.), Columbia Place, Atlantic City. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, H. J. Bergman, 130 Columbia Place, Atlantic City. Contract awarded to C. Murtland, 26 East Texas avenue, Atlantic City.

Miscellaneous Construction News

Apartments (2), Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Brick, 2 stories, 30x60 feet, tin roof, steam heating, electric lighting. Architect taking bids, due April 5th. The following are figuring: Henry L. Brown, 1714 Sansom street; Philadelphia; W. D. Haddock & Co., 804 Orange street, Wilmington, Del.; John T. Nelson, Laurel, Del.; Poche & Elliott, Laurel, Del.

Bank Building, Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Brick, stone and terra cotta, 2 stories, 20x67 feet, copper and slag roof, steam heating, electric lighting, tile work, metal lath, dampproofing, (banking fixtures reserved). Architects taking revised bids, due April 5th. The following are figuring: Henry L. Brown, 1714 Sansom street, Philadelphia; W. D. Haddock & Co., 804 Orange street, Wilmington, Del.; John T. Nelson, Laurel, Del.; Poche & Elliott, Laurel, Del.

Bank and Office Building, Suffolk, Pa. Architect, John Kevan Peebles, Law Building, Norfolk, Va. Owners, American Bank of Suffolk, Suffolk, Va. Brick, granite, limestone, terra cotta and steel, fireproof, 6 stories, 35x81 feet, tile and gravel roof, reinforced concrete floors, waterproofing and dampproofing, metal sash, marble, slate and tile work, gypsum block partitions, wire lath, iron stairs, electric lighting, steam heating, (elevators and bank fixtures reserved). Architect taking bids, due April 11th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Residence, Stable and Garage, Brookville, L. I., \$60,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, David Down, 120 Broadway, New York City. Brick, concrete floors, 3 stories, 94x63 feet, shingle tile roof, steam heating, oak floors, tile and marble work, (electric lighting, dumb-waiters, clothes dryers reserved). Architect taking bids, due April 6th. Metzger & Fisher, Denckla Building, and Milton W. Young, Overbrook, Philadelphia, are figuring.

Residence, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Frank D. Lackey, Ninth and Market streets, Wilmington. Stone, 3 stories, 130x34 feet, slate roof, vapor vacuum heating, electric lighting, hardwood floors, tile work, water supply system. Plans in progress.

Garage, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Arthur F. Porter, 1100 Rodney street, Wilmington. Brick and stucco, 2 stories, 20x30 feet, slate roof hot water heating. Plans in progress.

Passenger Station, Barnesville, Ohio. En-

Residences (4), Annapolis avenue, Atlantic City, \$12,000. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, Francis McCauley, Lincoln Building, Philadelphia. Frame and stucco, 2 stories, 22x30 feet, slate and asphalt roof, hot water heating, combination lighting, tile work, dampproofing. Contract awarded to Conway & Doughty, 10 South Tennessee avenue, Atlantic City.

Store and Apartments, Madison avenue and Boardwalk, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Oliver Burke, care of architect. Brick and concrete, 1 story, 29x55 feet, slag roof, electric lighting, reinforced concrete floors. Contract awarded to A. W. Dick, Atlantic City, N. J.

gineer, M. A. Long, B. & O. Building, Baltimore, Md. Owners, Balto. & Ohio Railroad Co., Baltimore, Md. Brick, stone trimmings, 1 story, 66x26 feet, tile roof, steam heating, maple floors, tile work, safety treads, metal lath, (electric work reserved). Owners taking bids, due April 10th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, is figuring.

Agricultural Building, Newark, Del. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware College, Newark, Del. Brick, 2½ stories, 178x54 feet; two wings, 45x55 feet and 33x78 feet, slate roof, steam heating, electric lighting (marble roofing, cement and asphalt roofing, plastering, painting, heating, plumbing, electric work, stair work separate bids). Architects taking bids, due April 17th. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; Doyle & Co., 1519 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; R. C. Ballinger & Co., 218 North Thirteenth street; John Duncan, 920 Walnut street, all of Philadelphia; W. D. Haddock & Co., 804 Orange street; W. Howard May, 1014 Rodney street, Wilmington, Del.; B. F. Bennett Building Co., 123 South Howard street, Baltimore; Morrow Bros., Fidelity Building, Baltimore; Edward Brady & Son, 1113 Cathedral street, Baltimore, and Matthews Const. Co., Princeton, N. J.

Miscellaneous Contracts Awarded

Residence, Wilmington, Del. Architects, Brown & Whitside, Dupont Building, Wilmington. Owner, Winthrop B. Wood, 2214 Gilpin avenue, Wilmington. Brick and hollow tile, 2 stories, 35x40 feet, slate roof, hot water heating, electric lighting, oak floors, tile work, dampproofing. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Store Building, Ninth and Tatnall streets, Wilmington, Del. Architects, Brown & Whitside, Dupont Building, Wilmington. Owners, Ninth Street Co., Wilmington, Del. Brick, 3 stories, 60x75 feet, slag roof, (heating and electric work reserved). Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Bungalow, Selbourne, Del. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, John B. Bird, care of Joseph Bancroft & Sons Co., Wilmington, Del. Frame, 1½ stories, 70x20 feet; wings, 45x20 feet and 55x20 feet, shingle roof, electric lighting (tile work and heating reserved). Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Maryland

Construction News

Apartment, Lake Front, Baltimore, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owners, Owosso Apartment Co., Baltimore, Md. Brick, limestone or terra cotta trimmings, 3 stories, slag roof, hot water heating, combination lighting, tile bath, galvanized iron cornice, plumbing and plastering. Plans about completed. Architects will take bids in a few days.

Bungalow, Elsinore avenue, Walbrook, Md., \$5,000. Architect, John R. Forzythe, 232 St. Paul street, Baltimore. Owner, J. Irving Bealmear, Fidelity Building, Baltimore. Frame, 1½ stories, 35x46 feet, slate roof, hot water heating, electric lighting. Plans about completed. Owner will take bids.

Church and Rectory, Gorsuch avenue and Independent street, Baltimore, \$125,000. Architect, George R. Callis, 218 East Lexington street, Baltimore. Owners, St. Bernard's Catholic Church, Rev. Theodore Meade, on premises. Granite and stone, 1 story and 3 stories, 60x130 feet and 35x62 feet, slate roofs, electric lighting. Plans in progress.

Cold Storage Warehouse, 21-23 East Pratt street, Baltimore, \$65,000. Engineer, Van R. H. Greene, 30 Church street, New York City. Owners, Baltimore Cold Storage Co., care of J. C. Lieb, 210 Light street, Baltimore. Brick and reinforced concrete, 6 stories, 36x125 feet, slag roof, electric lighting, elevators, iron and steel work. Plans in progress. Morrow Bros., Fidelity Building, Baltimore, Md., builders, will take sub-bids on all lines when plans are completed.

Convent, Battery avenue and Clement street, Baltimore. Architects, Murphy & Olmstead, 1413 H street, Washington, D. C. Owners, St. Mary Star of the Sea Catholic Church, Baltimore. Brick and stone and terra cotta, 4 stories, slate roof, electric lighting, steam heating. Plans in progress.

Church, Mt. Washington, Md., \$30,000. Architects, Baldwin & Pennington, 330 North Charles street, Baltimore. Owners, Sacred Heart Catholic Church, Mt. Washington, Md. Stone, slate roof, steam heating, electric lighting. Revised plans in progress.

Dwelling and Garage, Guilford, Md., \$35,000. Architect, George R. Callis, Jr., 218 East Lexington street, Baltimore. Owner, Mary Kennedy, 603 University Parkway, Baltimore. Stone, 2½ stories, 41x52 feet; wing, 22x25 feet; garage, stone, 24x28 feet; slate roofs, hot water heating, electric lighting, tile baths, vacuum cleaning, concrete work. Architect will be ready for bids in a few days.

Maryland

Contracts Awarded

Apartment House, University Parkway and Thirty-seventh street, Baltimore. Architect, Edw. L. Palmer, Jr., Munsey Building, Baltimore. Owner, C. Warner Stork, care of The Rochambeau, Charles and Franklin streets, Baltimore. Brick, reinforced concrete and steel, 4 stories, slag roof, steam heating, electric lighting, terrazzo and mosaic floors, tile work, plumbing. Contract awarded to Singer Pentz Co., Equitable Building, Baltimore.

Apartments and Store, Whitelock near Linden avenue, Baltimore. Architects, Blanke & Zink, Equitable Building, Baltimore. Owner, Isaac W. Katz, 1912 West North avenue, Baltimore. Brick, stone trimmings, 3 stories, 25x

(Continued on page 242.)

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Editorial Comment

Reports received from various cities throughout the country would seem to indicate that while the average of building expenditure remains high and conditions are, on the whole, encouraging, rather than otherwise, there is becoming noticeable a disposition to hold back on big work because of the sharp advance which has taken place in material prices.

Particularly is this the case with speculative enterprise, many operative builders declaring their determination not to break ground for work until there is a break in current prices. Brick, roofing material, lumber, all kinds of metal equipment, structural iron and steel, have advanced to a point at which builders say they add easily twenty per cent. to the average cost of construction.

The situation is made serious for the small operative builder by the attitude of the trust companies, many of which refuse to consider propositions for financing additional speculative ventures until it is apparent whether a demand exists for this class of structure at the necessarily advanced price.

The immense demand made by the munition industries on unemployed labor will, it is feared, cause a serious scarcity in labor, when, with the coming of settled weather, building activity gets into full swing.

* * *

In spite, however, of backward weather conditions, advancing prices and other drawbacks, building expenditures here in Philadelphia continue to maintain a nearly normal stability. According to figures compiled by William Gamble, Statistician of the Philadelphia Bureau of Building Inspection, the total estimated cost of all buildings, for which permits were issued during the month of March, was \$4,590,730. This shows an increase over February of \$2,152,980, but a decrease from the figures for March, 1915 of \$797,535. On the other hand, and by way of compensation, the first three months of the present year show in all an increase of \$1,170 over the corresponding period of 1915.

One hundred and fifty permits were issued for the erection of two-story dwellings, and 883 operations were begun, at an expenditure of \$2,103,000. Thirteen permits were issued for manufactories, whose estimated cost was \$660,000.

The following schedule gives the character of the operations and the estimated cost:

Character	Operations.	Estimated Cost.
Dwellings, 2-story	883	\$2,103,000
Dwellings, 3-story	36	192,655
Dwellings, frame	1	3,000
Stables	6	14,350
Manufactories	13	660,000
Workshops	9	52,500
Office buildings	3	222,450
Stores	7	36,000

Warehouses	4	119,500
Engine and boiler houses..	1	2,000
Churches	1	27,000
Schools	2	288,000
Hotels	1	60,000
Hospitals	1	70,000
Places of amusement.....	1	82,000
Miscellaneous buildings....	12	14,915
Additions	133	254,730
Alterations and repair....	214	128,310
Miscellaneous work	108	37,580
Heaters	15	9,555
Fire escapes	11	5,275
Signs	20	5,785
Library building	1	45,000
Totals	1605	\$4,590,730

* * *

A debatable point regarding the registration of architects was brought out by the report of the Committee on Legislation at the last convention of the American Institute of Architects. It is discussed in "Institute," in an article entitled "State Registration of Architects," by D. Everett Waid. He says in part:

"The report assumed that a registration law must be based on the power vested in the State to protect the public against unsafe buildings. It further took issue with most of such State laws, at least as they are being enforced, by assuming 'that public safety has no concern in those qualifications of the architect which enable him to practice a fine art, and that on such lines he should be no more subject to examination than is the painter or sculptor.'

"Whether the power which is founded on the right to protect life can be extended to protect the public against bad taste may be questioned, but such an attempt is made by refusing to admit to practice all who have not, in the opinion of the examiners, a proper knowledge of artistic design. That attempt is enforced by forbidding anyone except registered architects the right to file drawings and take out permits for building. Incidental abuses grew out of that law such as the case of a carpenter who, desiring to build a shed or shop, took his drawing to a licensed architect, secured the impression of his seal for \$5 and then was free to file his own drawing and obtain a permit.

"That such a law is drawn on a wrong basis is indicated by the fact that the Illinois law is now imperiled by legislation sought by the engineering profession in its behalf. If they succeed in their efforts the architects may be in worse condition than if no license law whatever existed.

"The New York law for registration of architects is drawn on a different theory. It is an educational measure and its most important or all-important object is to raise the standard of qualifications of architects and

thereby their efficiency and value to the public. Incidental to this purpose it prevents imposition on the public by providing that when it does employ an architect it shall be guaranteed some evidence that he is entitled to the name.

"But the New York law does not interfere with the right of any carpenter, builder, engineer, contractor or owner, to plan and erect any building for himself or others, provided he does not use the title 'architect.'"

"The building laws and the building departments charged with the enforcement of the building laws should protect the public against unsafe construction. The architect must protect the public against bad design by the merit of his own. It is the only possible way. The profession has no right and should have not wish to legislate business into its control. If we cannot command the respect of the public without legislation and cannot sell our brains to willing purchasers, then architecture is in a bad way indeed."

* * *

The New York "Sun's" competition for the best plans and design for a reasonable priced country home was won by J. Ivan Dise, a young New York architect who received his training at the School of Architecture of the University of Pennsylvania. He is the son of Joseph Dise, an architect, of Glen Rock, Pa., has been connected with the firms of Hamme & Leber, at York, Pa., and with Welsh, Sturdevant & Poggi, of Wilkes-Barre, Pa., before taking up his residence in New York City.

Two years ago, Mr. Dise won a prize offered by "The Brickbuilder" for a design for a \$5,000 fireproof house, and last year for an apartment house.

* * *

There was an interesting communication in the "Ledger" of Sunday last, from the pen of Mr. Charles Harris Whittaker, of Washington, D. C., under the head of "Less of the Fine Arts and More Craftsmanship." Mr. Whittaker thinks a great deal of the mischief wrought by modern teaching has its rise in the custom of referring to certain of the arts as "the fine arts."

"We suppose that it crept into the language as a more or less faulty definition of the word 'beaux' as applied to the arts in France," says Mr. Whittaker. "Each has produced a like result. They have succeeded in isolating certain of the arts and of setting up an artificial and apparently aristocratic, even snobbish, distinction. I do not find that any one is agreed as to what the 'fine arts' are. That is the only hopeful thing about the use of the word, since it offers no reason why we may not ultimately persuade its misguided sponsors to include all of the arts under the definition. Then we shall be back at our original starting point, which was and is the universality of art. Why not make the effort to reach that point, if it is desirable, by dropping the word 'fine'?"

"We have schools of fine arts, of industrial arts, of applied arts. Does anyone know why a school of painting should not be called a

'school of painting'? or a school of sculpture a 'school of sculptor'? or a school of textile designing a 'school of textile design'? It is true that there may be one school where several of these things are taught, but the difficulty of finding an honest title for such a school is not insurmountable. The value of such a title would lie in the fact that work would appear once more as something quite as respectable as art. The whole set of distinctions has the effect of making students believe that they are really not at work, but at art. What a condition!

* * *

"'Job' is a good word. It is better than 'task' or 'commission,' because it connotes labor and sweating of the brow and sleeves rolled up, and the joy of contact with a pliable or plastic medium, into which you may put yourself. Like its near relative, 'work,' it has lost somewhat in respectability of late. Well-meaning but foolish people have tried to set up a caste distinction under which the workman is no artist and the artist no workman."

"The architect, who is more widely dependent upon other artists and artisans for help, deplors the absence of that craftsmanship which was at the disposal of any builder less than a century ago. He realizes the effect of the centralization of industry, into which craftsmanship was absorbed and upon which it has been able to exercise scarcely any influence."

"He would like to revive craftsmanship. He longs for the return of the artisan who was also an artist. Yet one of the greatest obstacles to these desirable restorations lies in the attitude, generally speaking, of the architect himself. Having been taught and encouraged to think and speak of architecture as a 'fine art,' he unconsciously fosters the isolation of himself and his art from the workmen upon whom he is so dependent. In the days of great architecture there were no such isolations. The architect was able and willing to admit his fellow workers on an equal basis. He did not need to hand them elaborately detailed drawings of the ornamentation they were to chisel in stone. Yet as long as the architect is obliged to do this, and as long as he persists in calling his art 'fine' and thus setting it above and beyond theirs and yours and mine, just so long must he work in isolation; just so long must he deplore the lack of appreciation which to-day disturbs and discourages him."

"It would be idle to think that merely by ceasing to call his art 'fine' there would arise a band of skilled workmen upon whom the architect could rely. Not at all. But the first of the great barriers would be broken down and an intelligent appreciation of the conditions which now make it impossible for the architect to trust the workman, except here and there, would be possible. Nothing is possible in isolation. Everything may be possible in collaboration! For some of us do still believe that a common understanding of quality in men and things is more largely

possible even in a state where the individual has been submerged in the mob."

"If one care to pick up Parkyn's recent book on 'Prehistoric Art' one will be amazed at some of the exquisite line drawings of the paleolithic age. Russia to-day, with its uncountable millions of people who can neither read nor write, is full to overflowing of that capacity. In its traditions of folk song and dance, of untutored craftsmanship, of a peasantry completely detached from life in the large cities, there are sources which we seem to have dried up. May it not be that, even though the unintelligent use of terms was not responsible in the first place, the persistent and insistent use of them will only make difficult or even impossible the task of correcting the trouble? Words are strange leaders. They have been dividing the world ever since they were invented. Men are often united on a fundamental idea and driven far asunder by the words with which they try to clothe it."

* * *

Just what Mr. Whittaker's complaint is he fails to make altogether clear, but we take it to be that he is arguing for a closer understanding, as between the architect and the craftsman—a mutual recognition of their essential dependence—their equality of relationship to the finished work of art. The plea is not new.

HYDRATED LIME PLASTER.

The Hydrated Lime Bureau of the National Lime Manufacturers Association have issued a series of pamphlets concerning Hydrated Lime and its use. The titles are as follows:

Standard Specifications for Hydrated Lime, adopted in 1915 by the American Society for Testing Materials, Philadelphia, Pa.

Concrete Gas Tank Waterproofed with Hydrated Lime.

Tests and Uses of Hydrated Lime, by R. C. Haff.

Standard Specifications for Hydrated Lime Plaster.

Hydrated Lime for Use in Concrete.

Hydrated Lime Plaster for Scratch and Brown Coats.

Waterproofing Concrete with Hydrated Lime.

These pamphlets, which contain a large amount of useful and authoritative information, may be obtained by addressing the Bureau, Oliver Building, Pittsburgh, Pa.

"The Guide" is now covering Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia, Ohio and Illinois. And it's growing, growing, growing.

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MARYLAND CONTRACTS AWARDED

(Continued from page 239.)

40 feet, slag roof, steam heating, electric lighting, dumb waiters, gas ranges, refrigerator, fire escapes. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Stores and Apartments (alts.), 910 West North avenue, Baltimore. Architects, Sparklin & Childs, Law Building, Baltimore. Owner, Samuel Want, Calvert Building, Baltimore. Consists of general alterations, electric lighting, plumbing, tile work metal sash, steel stairs. Contract awarded to Singer Pentz Co., 600 Equitable Building, Baltimore.

Garage and Stable, Oak Forest Park, Catonsville, Md. Architects, Mottu & White, 322 North Charles street, Baltimore. Owner, J. W. McMillan, Montrose and Idlewild avenues, Baltimore. Stucco, 2 and 3 stories, slate roof, hot water heating, electric lighting. Contract awarded to Charles T. Leimbach, Catonsville, Md.

Warehouse, Woodberry, Md. Architect, Herman F. Doeleman, American Building, Baltimore. Consulting architect, James R. Edmunds, 908 Munsey Building, Baltimore. Owners, Wm. E. Hooper & Sons Co., 56 Maryland Life Building, Baltimore. Concrete and steel, reinforced concrete, hollow tile and stucco, 3 stories, 100x100 feet, slag roof, electric lighting, freight elevator, steel sash, steel rolling doors, fire doors, waterproofing. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

One secret that has been fairly well kept is the secret of success. Strange, too, when so many people are anxious to tell about it.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Robert Cairns (O), 5135 N. Tenth street. Samuel Cairn (C), 5135 N. Tenth street. Cost, \$12,500. Six dwellings, brick and stone, 2 stories, 15x44 feet, Warnock and Duncannon streets.

Rev. Archbishop E. F. Prendegast (O), Eighteenth and Race streets. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$60,000. School, brick, 3 stories, 74x149 feet, Lancaster and Media avenues.

Dr. Geo. Woodward (O), North American Building. Wohlerton & Collins (C), 7930 Germantown avenue. Cost, \$16,500. Two dwellings, stone, 3 stories, 38x60 feet, Benezt and Cresheim Valley drive.

Klaus & Baxter (O), 5715 Ashland street. Robert Walsh (C), Thirty-third and Wallace streets. Cost, \$97,900. Fifty-two dwellings, brick, 2 stories, 15x38 feet, Sixty-second and Hael avenue.

Harry Cornelius (O), 5531 North Fifth st. Cost, \$2,500. Dwelling, brick, 2 stories, 16x48 feet, Second and Chew streets.

H. E. Perry (O), 4080 Frankford avenue. M. Ward Easby (C), 1420 Chestnut street. Cost, \$1,000. Storage, frame, 51x54 feet, 1 story, 40x80 feet, Frankford avenue.

Schlesberg & Cohen (O), 2534 North Hollywood street. Cost, \$43,900. Fourteen dwellings, brick, 2 stories, 15x40 feet, Sixty-second and Pine streets.

W. B. Davenport (O), 1346 Kerbaugh st. Cost, \$65,900. Twenty-seven dwellings, brick and stone, 2 stories, 15x40 feet, Tenth and Loudon streets.

C. L. Gahall (O), 809 North Broad street. D. Henwood (C), 1509 Wood street. Cost, \$11,250. Store and storage building, brick, 2 stories, 18x82 feet, Broad and Parrish streets.

L. H. Gilmer Co. (O), Cottman and Keystone streets. Smith Hardican Co. (C), 1606 Cherry street. Cost, \$12,000. Factory, brick, 3 stories, 50x100 feet, Cottman and Keystone sts.

F. Schilling (O), 220 N. E. Boulevard. Cost, \$15,000. Six dwellings, 2 stories, 15x39 feet, Mascher and Boulevard.

Carl A. Mayer (O), 5504 North Fifth st. Cost, \$9,200. Five dwellings, stone and brick, 2 stories, 16x43 feet, Third and Olney avenue.

F. F. Dorf (O), 5718 Cottage street. C. Taylor (C), 5912 Dittman street. Cost, \$2,900. Dwelling, brick, 2 stories, 16x55 feet, 3128 Van Kirk street.

Penn Realty & Const. Co. (O), 128 E. Walnut lane. Cost, \$48,000. Twenty-four dwell-

ings, brick, 2 stories, 18x28 feet, Twentieth street, at Sixty-fifth avenue.

Norman Castor (O), 1136 Foulkrod street. Rush Bros. (C), 1100 Fillmore street. Cost, \$7,200. Dwelling, brick, 2 stories, 17x45 feet, Arrott and Pilling streets.

A. & H. Bertola (C), 1950 Kalkerts street. Cost, \$3,600. Three dwellings, brick, 2 stories, 14x34 feet, 456-58 W. Mechanic street.

Robert MacDonald, Jr. (O), 7433 Spruce street. Howard Sowden (C), Ambler, Pa. Cost, \$9,000. Dwelling, stone, 3 stories, 29x42 feet, Roundfort road and Ardleigh street.

J. Glanzberg (O), 2021 South Eighth st. Cost, \$48,800. Thirty-fourth dwellings, brick, 2 stories, 15x31 feet, Oregon and Warnock streets.

Anna G. Day (O), 6125 Glenlock street. G. Day (C), Wissinoming, Pa. Cost, \$2,800. Dwelling, brick, 2 stories, 16x48 feet, Torresdale avenue and Benner street.

F. De Guglirimo (O), 3732 Mt. Vernon st. F. Palumbo (C), 521 Christian street. Cost, \$2,600. Dwelling, 3732 Mt. Vernon street.

Frank D. Williams (O), 1838 W. Venango street. Cost, \$2,700. Dwelling, brick, 2 stories, 28x30 feet, Bouvier and Pulaski avenue.

Wm. H. Ashton (O), 5612 North Second street. Cost, \$20,000. Nine dwellings, brick, 2 stories, 15x44 feet, 5600 North Mascher street.

Louis Boenig (O), 4933 North Fifth street. Cost, \$11,000. Five dwellings, brick and stone, 2 stories, 15x44 feet, Fairhill and Lindley avenue.

Thos. J. Ward (O), 3224 North Fifteenth street. Cost, \$64,400. Thirty-two dwellings, brick, 2 stories, 15x36 feet, Fifth and Bristol streets.

Geo. A. Mahn (O), 2736 Ridge avenue. Cost, \$74,800. Thirty-seven dwellings, brick, 2 stories, 15x38 feet, Thirty-second and Huntingdon streets.

John A. ostello (O), 4045 North Broad st. Cost, \$2,500. Dwelling, stone, 2 stories, 20x47 feet, 4829 Rising Sun lane.

Jas. F. Burns (O), 705 Cherry street. Koelle Speth Co. (O), Twenty-sixth and Oxford sts. Cost, \$18,000. Manufacturing building, brick and concrete, 5 stories, 37x80 feet, 705 Cherry street.

E. M. Harris (O), Twenty-second and Market streets. P. Haibach Cont. Co. (C), Twenty-sixth and Thompson streets. Cost, \$35,000. Garage, stores and office, brick, 1 story, 99x114 feet, Twenty-third and Chestnut streets.

Alterations and Additions

Heyman Bros. (O), Widener Building. I. T. Shoemaker (C), 1324 Walnut street. Cost, \$12,000. Store and warehouse, 802 North Broad street.

B. Fushery (O), 717 Walnut street. A. Barsky (C), 636 Pine street. Cost, \$1,250. Offices, 733 Walnut street.

Simon Miller (O), Sixteenth and Poplar streets. H. A. Streton (C), 1511 North Sixtieth street. Cost, \$1,000. Dwelling, Sixteenth and Poplar streets.

Dr. M. C. Hoade (O), Rising Sun and Magee streets. Wm. G. Isles (C), 1021 Gilham street.

Cost, \$1,700. Dwelling, Rising Sun and Magee streets.

Bradley Chain Works (O), 726 Richmond street. Robert Beatty & Bro. (C), 2321 E. Fletcher street. Cost, \$1,500. Chain works, Beach and Susquehanna avenue.

General Mfg. Co. (O), Swanson and Snyder avenue. H. P. Freund (C), Norristown, Pa. Cost, \$10,000. Factory, Swanson and Snyder avenue.

Mrs. S. M. Sykes (O), 1484 North Fifty-second street. LeRoy K. Smith (C), 4007

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Chester avenue. Cost, \$1,500. Store and dwelling, 1484 North Fifty-second street.

James A. Kenney (O), Howard and Norris streets. F. I. Wint (C), 1618 North Twenty-seventh street. Cost, \$2,750. Garage, 2243-44 North Fourth street.

L. Walter (O), Indiana avenue and A st. M. W. Easby (C), 1420 Chestnut street. Cost, \$2,000. Boiler house, O and Torresdale ave.

Mary Felin (O), 4202 Germantown avenue. A. M. Bean (C), 4411 Germantown avenue. Cost, \$600. Store, 4202 Germantown avenue.

Jas. K. Marshall (O), 8 South Fifty-second street. Cost, \$10,000. Factory, Fifty-fourth and Paschall avenue.

Wm. Adlers Sons (O), 1526 Columbia avenue. H. B. Noorse (C), 665 North Fifteenth street. Cost, \$500. Dwelling, 3304 North Sixteenth street.

Jas. Fuller (O), 523 Westmoreland street. Birkelback Sons Co. (C), 4608 Richmond st. Cost, \$1,300. Dwelling, 9733-35 Bustleton pike.

Mother Catherine Drexel (O), Cornwells, Pa. John Baizley Iron Work (C), 514 South Delaware avenue. Cost, \$480. Convent, 836 North Broad street.

American Ice Co. (O), Sixth and Arch sts. Wm. Linker Co. (C), Hee dBuilding. Cost, \$3,200. Ice House and store house, Seventeenth and Juniata streets and Duncannon and Mascher streets.

L. Barkan (O), 835 McKean street. P. Savar (C), 718 Snyder avenue. Cost, \$500. Dwelling, 835 McKean street.

Jos. Bege (O), 85 E. Wister street. E. L. Guthertson (C), 334 Roxborough street. Cost, \$500. Saloon and dwelling, 228 Hermitage street.

Dora Frieta (O), 1705 Oxford streets. A. R. Raff Const. Co. (C), 1635 Thompson st. Cost, \$800. Dwelling, 1705 Oxford street.

Jos. Hollerstatt (O), Oak Lane, Philadelphia. P. Stitz (C), La Mott, Pa. Cost, \$600. Garage, Park and Cheltenham avenues.

Lonsels Inc. (O), 1318 Chestnut street. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$600. Store, 1318 Chestnut street.

Georges Pierrie Mfg. Co. (O), E. Allen st. H. B. Pote (C), 1031 E. Montgomery avenue. Cost, \$1,500. Manufacturing building, 128-30 E. Allen street.

M. Dobbins (O), 1511 Sansom street. J. A. Hand (C), 8029 Frankford avenue. Cost, \$600. Barn, Willetts and Ashton roads.

E. Kadensky (O), 2420 Kensington avenue. M. Bakst (C), 1540 North Sixth street. Cost, \$600. Store and dwelling, 2420 Kensington avenue.

Chas. M. Hatcher Co. (O), 191 W. Berks street. Frank M. Bushanan (C), 403 Spruce street. Cost, \$800. Factory, 191 W. Berks street.

J. Kuns (O), 3428 Reach street. A. Steinhouser (C), 5424 North Ninth street. Cost, \$2,600. Garage, 3430 Reach street.

C. C. Walbridge (C), Seminole avenue. Stokes Bros. (C), 6723 Musgrave street. Cost, \$8,145. Garage, Seminole and Hartwell aves.

S. L. Block (O), Broad and Wallace sts. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$15,000. Store and storage, 1205-09 Market street.

Hess Bright Mfg. Co. (O), Front and Erie

avenue. H. C. Rea Co. (C), 1027 Wood street. Cost, \$35,000. Machine shop, Front and Erie avenue.

Norman Coster (O), 1136 Foulkrod street. Rush Bros. (C), 1100 Fillmore street. Cost, \$8,000. Five garages, Duffield and Foulkrod streets.

G. H. McClatchy (O), 5908 Lansdowne avenue. Fred Sabin Co., Inc., 237 Bread street. Cost, \$600. Dwelling, 1924 Green street.

Morris Estate, care H. P. Wright (O), City Line and Lane avenue. Wayne Plumbing and Heating Co. (C), Wayne, Pa. Cost, \$2,200. Two dwellings and garage, Seventy-first and Overbrook avenue.

M. Bazzuto (O), 1141 Pierce street. Jos. Juliano (C), 1132 Watkins street. Cost, \$1,000. Store and dwelling, 1141 Pierce street.

Dr. M. S. Hargett (O), 5715 Girard avenue. Vanderbury Bros. (C), 5802 Pemberton st. Cost, \$3,500. Dwelling, Girard and Fraier streets.

T. Fillizzi (O), 818 Fitzwater streets. V. Cerasoli (C), 1231 Christian street. Cost, \$625. Store and dwelling, 818 Fitzwater street.

L. C. McCleary (O), 313 North Forieth st. D. F. Hoover (C), 4047 Warren street. Cost, \$410. Dwelling, 313-15 North Fortieth street.

A. C. McCann (O), 3814 Spring Garden. Jos. R. Brown (C), 3812 Lancaster avenue. Cost, \$425. Dwelling, 438 North Thirty-eighth street.

H. E. Moose (O), 135 South Fifteenth st. C. F. Bachler (C), 146 North Tenth street. Cost, \$900. Store, Seventeenth and Sansom streets.

The Texas Co. (O), Morris Building. Cost, \$1,000. Wall, Tenth and Cheltenham avenue.

Adam Smith (O), 114 North Lambert street. Mitchell Bros. (C), 2125 Race street. Cost, \$400. Dwelling, 133 North Twenty-first street.

D. Mahoney (O), Somerton and Bustleton pike. W. D. Bubeck (C), Somerton, Philadelphia. Cost, \$600. Dwelling, Byberry road and Pensalem pike.

R. Kenworthy (O), 5632 Ridge avenue. Brown Const. Co. (C), 4600 Main street. Cost, \$3,500. Dwelling, 5632 Ridge avenue.

G. Donato (O), 1315 Christian street. A. De Marco (C), 1224 Christian street. Cost, \$565. Dwelling, 906 League street.

Harper Steward (O), 125 North Sixth st. W. J. Gruhler Co. (C), 219 High street. Cost, \$500. Store, 124 North Sixth street.

Allen C. Williams (O), Rochelle avenue. H. L. Missimer (C), 235 Righter street. Cost, \$800. Garage, Sumac and Rochelle avenue.

Chas. Hibbs (O), Fox Chase. T. S. McVaugh (C), 7243 Rising Sun avenue. Cost, \$600. Garage, J and Cottman streets.

Mrs. Jennie Hill (O), 3314 H street. Harry Drake (C), 3139 Frankford avenue. Cost, \$540. Workshop, G and Venango streets.

Ruling & Mollinger (O), 3218 Frankford avenue. Harry Drake (C), 3139 Frankford avenue. Cost, \$1,275. Garage, Clementine and Emerald streets.

Frankford Land Co. (O), 4437 Frankford avenue. Cost, \$3,000. Garage, Oakland and Foulkrod streets.

Charles E. Gill (O), 6025 Master street. Rudolf Werner (C), 5326 Market street. Cost, \$1,500. Dwelling and garage, 6025 Master street.

Jos. G. Trainer (O), Second and Queen streets. Paul J. Hoft (C), 245 South Eighth street. Cost, \$958. Dwelling, Audubon and Procter streets.

G. Spruance Co. (O), 310 North Third st. Frank I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$1,500. Manufacturing building, 310 North Third street.

John Fisher (O), 1521 North Fifty-ninth street. H. W. Brightly (C), 1216 North Thirty-fourth street, Camden, N. J. Cost, \$800. Garage, 1519 North Fifty-ninth street.

H. M. Schadwald (O), Third and Huntingdon streets. W. S. Buckley (C), 2603 North Sixth street. Cost, \$1,500. Dye house, Third and Huntingdon streets.

Ralph Kellam (O), St. Girard Building. Chas. H. S. Zehley (C), Pine and Quince sts. Cost, \$4,200. Dwelling, 230 W. Rex avenue.

Jos. K. Cansell (O), 6136 Columbia avenue. M. Roy Sheen (C), 450 North Wilton street. Cost, \$500. Garage, 6136 Columbia avenue.

Barrett Mfg. Co. (O), Bermuda and Tucker streets. A. R. Raff Const. Co. (C), 1635 Thompson street. Cost, \$8,000. Store house, Bermuda and Tucker streets.

Wetherill Bros. (O), 126 South Thirtieth street. A. Havens o. (C), 845 North Nineteenth street. Cost, \$4,000. Locker room, 126 South Thirtieth street.

John V. Speth (O), Twenty-sixth and Oxford streets. Koelle Speth Co. (C), Twenty-sixth and Oxford streets. Cost, \$5,000. Manufacturing building, 249 North Fourth street.

Geo. S. Wardley (O), 5108 Duffield street. Cost, \$700. Shop, Allegheny avenue and Cedar street.

Dr. Daniel Moylan (O), 3729 Spring Garden street. A. Gallagher (O), 3706 Frankford avenue. Cost, \$600. Garage, Thirty-eighth and Spring Garden streets.

Proposals

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As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 31, 1916.—Sealed proposals will be opened in this office at 3 p. m., May 15, 1916, for the construction complete of the United States post office and custom-house at Newport, R. I. Drawings and specifications may be obtained from the custodian of site at Newport, R. I., or at this office, in the discretion of the Supervising Architect. Jos. A. Wetmore, Acting Supervising Architect.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

****PRESSED METAL RADIATOR CO.**, Pittsburgh, Pa., announces the resignation of John K. Frye as president of the company. Mr. Frye will become general purchasing agent for the Donner Steel Co., of Bugalo, N. Y., formerly the New York State Steel Co., of which W. H. Donner is president. Mr. Frye will make his headquarters in Buffalo.

****NATIONAL ASSOCIATION OF MASTER PLUMBERS** has arranged to hold its next annual convention in Atlantic City, N. J., the dates being June 20-22. Headquarters will be at The Breakers, the new name for the remodeled Hotel Rudolf.

****NATIONAL EXPOSITION OF SAFETY AND SANITATION** will hold the third annual exhibition at the Grand Central Palace, New York City, during the week of April 17, 1916.

****KEASBEY & MATTISON CO.**, pipe covering and asbestos material, will move its New York offices about May 1, from 100 John street to the new Astor Building at Broadway and Vesey street.

****GEORGE K. PARSONS**, consulting engineer, has located his main offices in the Equitable Building, 120 Broadway, New York City. Mr. Parsons will continue his office in the Riggs Building, Washington, D. C.

****FEDERAL RADIATOR CO.**, New Castle, Pa., has appointed George W. Barr Eastern sales manager, with headquarters at 1402 Land Title Building, Philadelphia, Pa. The company manufactures both boilers and radiators. Mr. Barr was formerly Philadelphia manager of the United States Radiator Corporation and has long been identified with the heating trade.

****THE ALIGNUM PRODUCTS CO.**, of 103 Park avenue, New York, have issued an announcement containing scale drawings showing the construction of Alignum fire doors for fire walls.

****J. J. BLACKMORE**, for the last two years secretary of the American Society of Heating and Ventilating Engineers, has resigned to take up the management of a new boiler and heater department for the J. L. Mott Iron Works.

****NATIONAL HOUSING ASSOCIATION** will hold the next housing conference at Providence, R. I., October 9-10-11, 1916.

****KLEIN & NEWMAN**, 489 Howard avenue, Brooklyn, desire catalogues and samples from jobbers and manufacturers in the heating and plumbing supply business.

COMPETITION IN WORKINGMEN'S HOUSES.

A competition in houses for workingmen involving plans, sketches, grouping and arrangement has been announced by the National Americanization Committee with the co-operation of various societies and institutes of architects and engineers. Prizes aggregating \$2,100 are divided into two groups, the first of which covers plans for the housing of workmen in industrial communities not exceeding a population of 35,000. Entries of this class include plans for: First, single family houses; second, combined family and lodging houses which will permit separation of the family from the lodgers; and third, boarding houses or community dwellings for numbers of single men or of single women.

In the second group two prizes are offered for a satisfactory substitute for the derailed freight and cattle cars now used to house construction gangs on railways.

The aim of the contest is to arouse interest in the subject of the housing of workmen in industrial communities and to produce carefully worked out and entirely practicable housing plans and standards which it will be

possible for employers and workmen and communities alike to demand and insist upon.

Inquiries concerning the competition should be addressed to the National Americanization Committee, 20 West Thirty-fourth street, New York.

ADVANCE IN COST OF BLUE PRINTS.

According to present tendencies it would seem that the price of blue-print paper and blue prints is likely to advance in the near future, due to the increase in the price of all chemicals used in the blue-print process, as well as to the heavy advance in paper. As is well known, blue-print paper is coated with an emulsion of iron and potash salts, which are combined by the action of light, and upon immersion of the paper in water the coating is precipitated on the surface of the paper in the form of Prussian blue.

According to the New York "Commercial," red prussiate of potash, which is the form of potash used in the blue process, has been made exclusively in Germany. Before the war it sold for 19c. a pound; to-day it is practically

unobtainable at \$7 per pound, or an advance of 3500 per cent. Citric acid, from which the citrates of iron and ammonium are made, has advanced 150 per cent., and oxalic acid, from which the oxalates of iron are also made, has advanced 1000 per cent. in the same time.

THE COST OF USING STEEL FORMS

When steel forms are leased and returned they cost 30 cents a square foot, according to Leonard C. Wason, of Boston. With wood, on the average, 3 cents per superficial foot of contact is the cost when used four times. Thus it is necessary to use steel forms ten times to bring the average material cost down to that of wood. But with wood the forms are so much shaken and damaged that after three or four uses they are practically worn out and have to be replaced. Steel forms have been used more than thirteen times on one job.

"We have never used steel forms to destruction," says Mr. Wason, "although we have used them thirty times. Probably forty-five uses is a conservative estimate of their life. During this period 3 cents per square foot may be spent for upkeep, and when they are worn out the same 3 cents can be obtained from the metal as junk. If the forms are bought at 45 cents a square foot instead of leased at 30 cents, the cost per use would work out finally at 1 cent, to which should be added 1/2 cent for wedges and keys. This total is just half the cost of wood."

LOCAL ASSOCIATIONS FOR CONTRACTORS.

The electrical contractor is coming to realize more and more the value of organization. This is manifest, says the "Electrical Review," not only in the activities of the National and State associations, but in many local organizations which have helped to weld together the interest of local contractors and prevent the antagonism and reckless price cutting which has often occurred in the past, leaving a record of disaster in its wake. The electrical contracting business has had to meet problems common to a number of other industries and trial has usually shown that these problems can best be handled by co-operation, whereas the individual can do little to improve local conditions. It sometimes seems to be a slow matter for such associations to accomplish anything, but it is really necessary first of all for men to get acquainted before they can achieve much in the way of co-operation, and there must be a real intent to achieve something, which will stimulate a desire for participation in association activities.

THE EMPIRE STATE.

No one can gainsay that New York is the Empire State. Twenty-four per cent. of all the persons paying the United States income tax live in that State, and 60 per cent. of those who pay on incomes of half a million or more, according to statistics.

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Vol. XXXI., No. 15.

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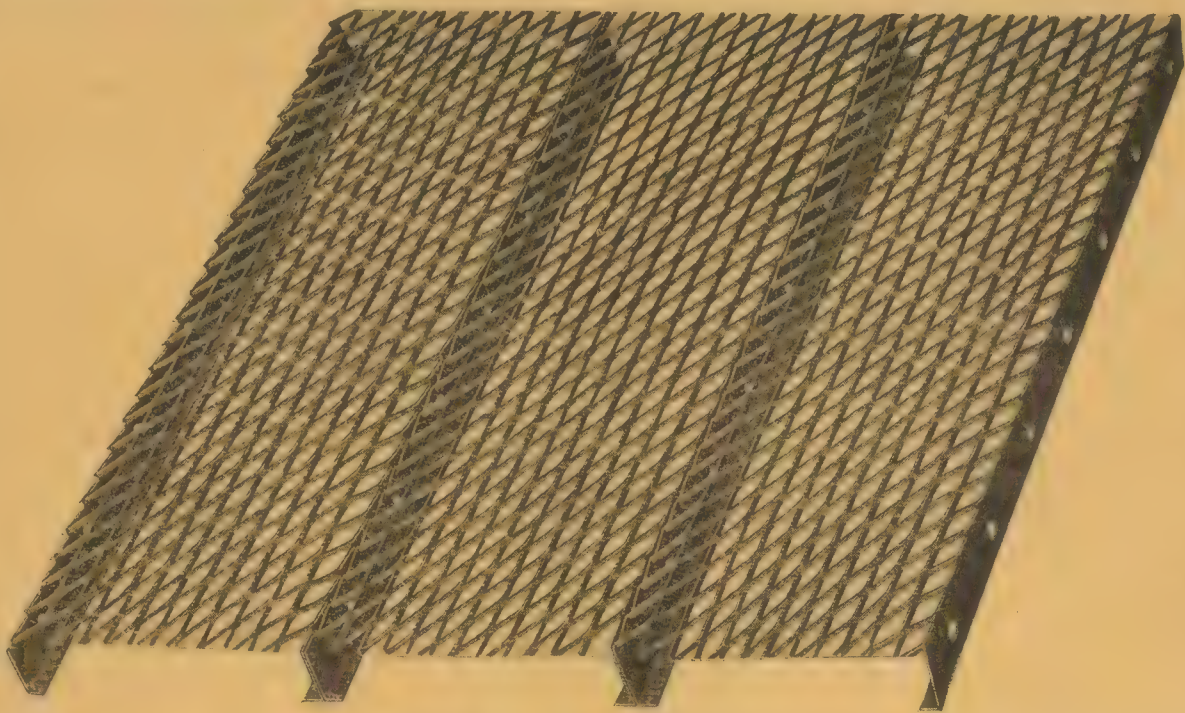
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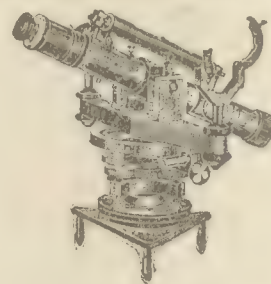
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Residence and Garage, Overbrook, Pa. Architects, Frank Seeburger and C. F. Rabenold, Pennsylvania Building. Owner, E. O. Lewis, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 30x75 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Plans in progress. Architects will take bids in one week.

Residence (alt. and adds.), Overbrook, Pa. Architects, Frank Seeburger and C. F. Rabenold, Pennsylvania Building. Owner, L. M. Lewis, Merion, Pa. Stone, 2½ stories, consists of general alterations and additions, plumbing, hot water heating, tile work, electric lighting. Plans in progress. Architects will take bids in ten days.

Garage, 135 North Fiftieth street, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, L. J. Matthias, 319 North Fifty-second street, Philadelphia. Hollow tile and plaster, 2 stories, slag roof, electric lighting, cement floors. Plans in progress.

Garage, Ruth and Clearfield streets, Philadelphia. Architect, private plans. Owners, Horace Linton & Bro., 3061 Ruth street, Philadelphia. Brick, 1 or 2 stories, 63x100 feet, slag roof, cement floors, (heating, electric work and elevator reserved). Owners taking bids, due April 14th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; Wm. R. Dougherty, 1610 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street; Harry R. Moyer, 2029 E. Wishart street, Philadelphia.

Residences (20), Twenty-first and Church lane, Philadelphia. Architects, Neubauer & Boyd, 1112 Chestnut street, Philadelphia. Owner, John F. Conlin, 12 W. Willow Grove avenue, Philadelphia. Brick, 2 stories, slag roofs, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architects will take sub-bids in about ten days.

Residences (103), Marlyn road and Haverford avenue. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market street, Philadelphia. Brick and stone, 16x45 feet, slag roof, hot water heating, electric

lighting, hardwood floors, tile work. Owner is taking sub-bids.

Residences (50), Edgewood and Haddington streets. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets, Philadelphia. Brick, 2 stories, 16x40 feet, slag roofs, hot water heating, electric lighting, tile work, hardwood floors. Owner is taking sub-bids.

Garage and Stable (alts.), 1725 North street and Twentieth and Washington avenue. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Lit Brothers, Eighth and Market streets, Philadelphia. Consists of interior alterations, reinforced concrete and Barretts roof, fire doors, (heating and electric work reserved). Architects have received bids.

Sunday School, southwest corner Twenty ninth and Lehigh avenue, Philadelphia. Architect, Armando D. Alcantara, 2962 North Bailey street. Owners, Calvary Reformed Church, Rev. F. H. Fisher, 2638 North Twenty-ninth street. Stone and brick, 2½ stories, 40x80 feet, slate roof, steam heating, electric lighting, tile work, dampproofing. Architect and owner taking bids, due April 15th. Thos. C. Trafford, 1613 Sansom street, is figuring.

Twin Residences (4), St. Martin's, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 35x65 feet each, shingle roof, tile work, (heating, plumbing and electric work separate bids). Architects have received bids.

Warehouse (add.), Second and York streets, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, 1 story, 60x110 feet, slag roof, cement floors. Plans about completed. Architects will take bids in a few days.

Garage, Broad street, south of Loudon st., Philadelphia. Architect, F. T. Uezzell, 1203 Filbert street, Philadelphia. Owner, L. G. Harrison, Sixteenth and Diamond streets, Philadelphia. Brick, 1 story, 180x60 feet, slag roof, steam heating, electric lighting, cement floors. Owner is taking sub-bids.

Convent, Thirty-eighth and Spring Garden streets, Philadelphia. Architects, E. F. Durang & Son, 10 South Eighteenth street, Philadelphia. Owners, St. Agatha's R. C. Church, Rev. Michael C. Donovan, 3813 Spring Garden streets, Philadelphia. Stone and brick, 3 stories, 45x135 feet, promenade tile and slate roof, hollow tile partitions, tile and marble work, (heating, plumbing and electric work separate bids). Architects taking bids, due April 14th. The following are figuring: Wm. J. McShane, 417 South Thirteenth street; John McShain, 1610 North street; Jacob Myers & Sons Co., Witherspoon Building; H. E. Baton, Twelfth and Sansom streets; Melody & Keating, Bailey Building; Thomas Reilly, 1616 Thompson street; Conneen Construction Co., Commercial Trust Building; McCloskey & Bahls, Hale Building; V. A. Feeser, 612 North Thirty-ninth street; J. J. Murphy, 4034 Powerton avenue; Sutton & Stephenson, 1317 Washington street.

Toilet Building (alt. and add.), Girard College, Philadelphia. Architect, J. H. Windrim, Commonwealth Building, Philadelphia. Owners, Stephen Girard Estate, Lafayette Building, Philadelphia. Stone, brick, concrete and steel, 1 story, slate roof, steam heating, electric lighting, metal lath. Architect has received bids.

Boys' High School, Forty-eighth and Chestnut streets, Philadelphia, \$100,000. Architects, E. F. Durang & Sons, Fuller Building, Philadelphia. Owners, Archbishop E. F. Pendegast, Eighteenth and Race streets, Philadelphia. Stone, brick and steel, 3 stories and basement, fireproofing, will contain gymnasium, auditorium, 24 classrooms, dressing rooms, etc., slag room, steam heating, electric lighting. Architects are taking bids, due April 17th. The following are figuring: W. W. Anstine & Co., 1218 Filbert street; Sutton & Stephenson, 1317 Washington avenue; Jas. P. Farrell & Co., Inc., 1619 Sansom street; Melody & Keating, Bailey Building; Wm. R. Dougherty, 1610 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; Monaghan & Losse, 214 South Twelfth street; Wm. J. McShane, 417 South Thirteenth street; John P. McShane, 1610 North street; James Doyle's

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Construction Co., Commercial Trust Building,
and James J. Murphy, 4034 Powelton avenue,
Philadelphia.

Store (alt.), Sixtieth and Haverford avenue,
Philadelphia. Architects, Neubauer & Boyd,
1113 Chestnut street, Philadelphia. Owner,
Herman Switt, 6163 Woodland avenue, Phila-
delphia. Consists of general interior altera-
tions, electric lighting, mineral flooring. Archi-
tects have received bids.

Church, Fifty-sixth and Girard avenue,
Philadelphia. Architect, Geo. E. Savage,
Witherspoon Building, Philadelphia. Owners,
Palantinate Reformed Church, Rev. F. E.
Wieder, 1220 North Fifty-seventh street.
Stone, 1 story, slate roof, steam heating, elec-
tric lighting. Plans in progress. Architect
will take bids in about two weeks.

Twin Dwellings (4), St. Martin's Phila-
delphia. Architect, Edmund B. Gilchrist, 1424
Walnut street, Philadelphia. Owner, Dr.
George Woodward, North American Building,
Philadelphia. Stone, 2 1/2 stories, shingle roof,
hot air heating, electric lighting, pine floors,
tile work. Architect taking bids, due April
17th. The following are figuring: John L.
Walt, 204 E. Willow Grove avenue; F. Elvidge
& Son, 5522 Germantown avenue; Pringle
Borthwick, 8016 Germantown avenue; Henry
L. Brown, 1714 Sansom street; Wm. J. Gruh-
ler Co., 219 E. High street, Philadelphia.

Store and Apartments (alt. and add.), 1327
South Second street. Architect, Herman H.
Kline, Sixth and Mifflin streets, Philadelphia.
Owner, J. Brodie, on premises. Brick, 2 1/2
stories, 14x100 feet, slag roof, interior metal
columns, wall safe, metal ceilings, hardwood
floors, tile and marble work. Plans completed.
Architect ready for bids.

Store and Dwelling, 317 South Tenth street,
Philadelphia. Architect, Herman H. Kline,
Sixth and Mifflin streets, Philadelphia. Own-
er, Krivoruk, care of architect. Consists of
general interior and exterior alterations and
addition, brick, 4 stories, 22x100 feet, new
fire tower, fire doors, iron stairs, electric light-
ing, hot water heating, hardwood floors. Plans
in progress. Will take bids in two weeks.

Building, 604 South Third street, Philadel-
phia. Architect, Herman H. Kline, Sixth and
Mifflin streets, Philadelphia. Owner's name
withheld. Brick, 3 stories, 15x40 feet, slag

roof, electric lighting, hot air heating. Plans
in progress.

Society Building and Garage, 922 North
Broad street, Philadelphia. Architect, Carl
P. Berger, 1418 South Penn Square, Philadel-
phia. Owners, Pennsylvania Society for Pre-
vention of Cruelty to Animals, Frank B. Ruth-
erford, secretary, 1627 Chestnut street, Phila-
delphia. Brick, 1 and 3 stories, slag roof,
steam heating, electric lighting. Plans in pro-
gress. Not decided when bids will be taken.

Residence and Garage, Chestnut Hill, Pa.,
\$50,000. Architects, Mollor & Meigs, 205
South Juniper street, Philadelphia. Owner,
Francis S. Mellhenny, Commercial Trust
Building, Philadelphia. Stone, 2 1/2 stories,
20x65 feet and 30x53 feet, tile roof, electric
lighting, tile and marble work, hardwood
floors. Plans in progress. Architects will take
bids in about one month.

School and Hall, Twenty-ninth and Dickin-
son streets, Philadelphia. Architects, E. F.
Durang & Sons, Fuller Building, Philadelphia.
Owners, St. Gabriel's R. C. Church, Twenty-
ninth and Dickinson streets. Stone and brick,
3 stories, slate roof. Architects taking ap-
proximate bids. Wm. J. McShane, 417 South
Thirteenth street, is figuring (only bidder).

Dwellings (38), Forty-seventh, Forty-eighth
and Sansom streets, Philadelphia, \$80,000.
Architect, J. Elvin Jackson, 727 Walnut street,
Philadelphia. Owner, Davis Pennoek, 903
South Fifty-fourth street. Agent, Frank Ben-
ham, 5146 Market street. Brick, 2 stories,
15x46 feet, slag roof, hot water heating, elec-
tric lighting. Agent is taking sub-bids.

Church, Lycoming and Nice streets, Phila-
delphia. Architect, H. E. De Hoff, 48 South
Sixty-first street, Philadelphia. Owners, Naz-
arene Baptist Church, Rev. George Russell,
1712 Atlantic street, Philadelphia. Stone and
brick, 1 story, 47x80 feet, slate roof. Plans
in progress.

Service Building, northwest corner of Broad
and Cherry streets, Philadelphia, \$500,000.
Architect, Charles E. Oelschlager, Harrison
Building, Philadelphia. Owners, Gomery-
Schwartz Motor Car Co., 253 North Broad
street, Philadelphia. Reinforced concrete,
brick and terra cotta, 10 stories, 137x180 feet,
slag roof, steam heating, electric lighting, 4
elevators, safety treads, metal sash. Plans in
progress. Architect will take bids in about
one month.

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Factory (add.) and Garage, Frankford avenue and Westmoreland street. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Thomas Welstenholme Sons & Co., 3300 Frankford avenue. Brick, 2 and 4 stories, slag roof, steam heating, electric lighting, metal sash. Plans in progress. Architect will take bids in about three weeks.

Residence, Chestnut Hill, Philadelphia, \$600,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, E. T. Stotesbury, Drexel Building, Philadelphia. Limestone, 2 stories, 300x72 feet; wing, 40x136 feet; copper, tile and composition roof, con-

crete and hollow tile fireproofing, metal lath, waterproofing, tile and marble work, ornamental iron, hardwood floors (heating, electric work, elevator and dumb waiters, vacuum cleaning system, refrigerating system, cabinet work reserved). Architect taking bids, due April 20th. The following are figuring: Geo. F. Payne & Co., 401 South Juniper street; Wm. Steele & Sons Co., 1600 Arch street; Stacy Reeves & Sons Co., 2011 Market street; Milton W. Young, Overbrook, Pa.; George A. Fuller, Widener Building; Cramp & Co., Denckla Building, Philadelphia, and West Construction Co., Knickerbocker Building, Baltimore, Md.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory (Remodeling), Fifth and Ludlow streets, \$40,000. Architect, private plans. Owners, The Pepper Estate. Consists of general remodeling of entire building, steam heating, electric lighting, cement and concrete work, plumbing, plastering and painting. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Garage, 306 North Thirty-fifth street, Philadelphia. Architect, Albert W. Dilks, 1001 Chestnut street, Philadelphia. Owners, E. P. Alexander, on premises. Brick, 1 story, 18x25 feet, slag roof, cement floors, metal lath, (plumbing, heating, electric work and gasoline tank and pump reserved). Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

Residences (2), 1315-17 Pine street, Philadelphia, \$5,600. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Jos. L. Kun, Lincoln Building, Philadelphia. Consists of interior and exterior alterations, steam heating, electric lighting, plumbing, composition and hardwood floors. Contract awarded to H. Reusswick, 137 North Tenth street, Philadelphia.

Signal Tower, Arsenal Bridge, Philadelphia. Architect, private plans. Owners, Penna. Railroad Co., care H. G. Bixler, Thirty-second and Powelton avenue. Brick, 2 stories, 24x16 feet, Rex tile roof, steam heating, (plumbing and electric work reserved). Contract awarded to Baily-Lush Co., 201 South Broad street, Philadelphia.

Business Building, southeast corner Broad and Brown streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Phila-

delphia. Owner, George Miller, 1306 Chestnut street, Philadelphia. Reinforced concrete, brick and terra cotta, 2 stories, 100x125 feet, slag roof, steam heating, electric lighting, metal sash. Contract awarded to Warren, Moore & Co., Commercial Trust Building, Philadelphia.

Business Block (Stores, 10) and Hall Buildings (2), Germantown avenue and Venango street, \$40,000. Architects, private plans. Owners, George F. Stuempfig, 5430 Wayne avenue, Philadelphia. Brick and terra cotta, 2 stories, 135x25 feet, and 135x65 feet, slag roof, electric lighting, hot air heating, metal lath, maple floors, tile and marble work. Contract awarded to Henry P. Schneider, 713 Old York road.

Sanitarium (alt. and add.), 1903 Green st., \$4,600. Architect, Edward S. Paxon, 729 Walnut street, Philadelphia. Owner, Lewis Brinton, on premises. Brick, 2 stories, tin roof, fire escapes, dumbwaiters, (heating and composition floors reserved). Contract awarded to C. A. Le Gates, 322 North Gross street, Philadelphia.

Boiler, Laundry and Dormitory Building, Roxborough, Philadelphia. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Engineer, Wm. H. Timm, Abbott Building, Philadelphia. Owners, St. Timothy's Hospital, Ridge avenue and Jamestown street. Brick and terra cotta, 2 stories, 39x35 feet, reinforced concrete floors, metal lath, tile and marble work, plaster block partitions, (electric work, plumbing and heating reserved by engineer). Contract awarded to Hughes &

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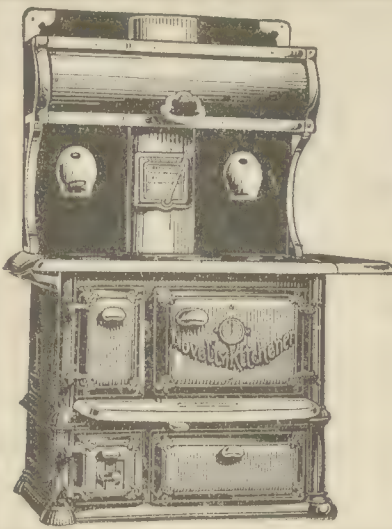
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Inbound Freight Warehouse, Front and Federal streets, \$350,000. Architect, Wm. H. Cookman, Broad St. Station, Philadelphia. Engineer, A. C. Shand, Broad St. Station. Owners, Penna. Railroad Co., Broad St. Station. Reinforced concrete, 4 stories, 60x400 feet, slag roof, steam heating, electric lighting, elevators, steel sash, waterproofing. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

Mezzanine Floor, 28 South Sixth street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, A. J. Drexel Estate, Drexel Building, Philadelphia. Fire doors, sprinklers (electric work reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Department Store (add.), Eighth and Market streets, \$200,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owners, Strawbridge & Clothier, on premises. Consists of additional story on western building to contain restaurant and kitchens, brick, steel, concrete, fireproof, 60x300 feet, composition roof, electric lighting, steam heating, tile and marble work, metal lath, ornamental

plastering, cabinet work. Contract awarded to Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Loft Building, 211 to p21 North Thirteenth street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Reinforced concrete, brick, terra cotta, 9 stories, 113x90 feet, slag roof, metal lath, fire doors, steam heating, electric lighting, two electric elevators. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Loft Building, southeast corner of Seventeenth and Arch streets. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owners, R. A. Heyman & Bro., Widener Building, Philadelphia. Reinforced concrete, brick and terra cotta, 5 stories, 50x100 feet, slag roof, steam heating, elevator, electric lighting, tile work, safety treads, fire doors. Contract awarded to Warren, Moore & Co., Commercial Trust Building, Philadelphia.

Residence (alt. and add.), Graver's lane, Philadelphia. Architects, Furness, Evans & Co. and Charles Willing, Provident Building. Owner, Wm. L. Barclay, on premises. Brick and plaster, 2½ stories, tin roof, electric lighting, oak floors, tile work. Contract awarded to Wm. H. Carr, 5913 Germantown avenue.

PENNSYLVANIA

Construction News

School (alt. and add.), West Chester, Pa. Architect, Paul A. Davis, 3d, 1713 Sansom st., Philadelphia. Owners, Board of Education, Addison Jones, Supt., West Chester. Brick and stone, 2 stories, 40x114 feet, slate roof, steam heating, electric lighting. Plans in progress. Owners will take bids in about one month.

Armory, West Chester, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State Armory Board, Major Demming, Harrisburg, Pa. Brick, limestone trimmings, 1 and 2 stories, 65x90 feet, slag roof, metal lath, dampproofing, proposal bond, terrazzo, marble and tile work, steel lockers, (heating, plumbing and electric work separate bids. Lowest bidder, Henry L. Brown, 1714 Sansom street, Philadelphia, \$34,340.

Residence, Elkins Park, Pa. Architects, McCormick & McCormick, 1011 Chestnut st. Owner, F. P. Spruance, 144 W. Wyoming avenue, Philadelphia. Fisklock tapestry brick, 2½ stories, 27x34 feet, shingle roof, hot water heating, electric lighting, tile kitchen and bath, oak floors. Architects will sub-let all contracts.

Residence, Elkins Park, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Mrs. Henrietta Widener, Elkins Park, Pa. Hollow tile and stucco, 2½ stories, 24x47 feet, slate roof, oak floors, tile work, (hot water heating, plumbing and electric work separate bids). Architect taking bids, due April 14th. The following are figuring: F. T. Mercer Co., 1706 Delancey street; Specht & Sperry, Heed Building; John H.

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Dagney, Sixty-ninth and York road; Fesmire & Mitchell, Glenside, Pa., and W. John Stevens, Wynecote, Pa.

Loom Building, North Wales, Pa. Engineer, Harry C. Eisenbise, Pennsylvania Building, Philadelphia. Owners, the Montgomery Mills Co., North Wales, Pa. Corrugated iron, concrete foundations, 1 story, 50x65 feet, slag roof. Engineer has received bids.

Residence, Glenside, Pa. Architect, George W. Steidle, Jr., 2320 W. Thompson street, Philadelphia. Owner, J. M. Harting, 3219 Dauphin street, Philadelphia. Plaster board, 2 stories, 28x2 feet, shingle roof, hot water heating, electric lighting, pine floors. Architect taking bids, due April 13th. A. L. Fretz & Son, 1222 Chancellor street, Philadelphia, are figuring.

Residence, Wyomissing, Pa. Architect, J. E. Hickman, 119 S. Fifteenth street, Reading, Pa. Owner, Robt. M. Spotts, care of architect. Stone, 2½ stories, 25x32 feet, shingle roof. Plans in progress.

Knitting Factory, Mohrsville, Pa., \$12,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, James H. Wagner, Mohrsville, Pa. Reinforced concrete and brick, 1½ stories, 60x160 feet, reinforced concrete and slag roof, steam heating, low pressure, electric lighting, reinforced concrete and maple floors, waterproofing, dampproofing, elevator. Plans in progress.

Apartment, 952 North Tenth street, Reading, Pa., \$10,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Nicholas De Temple Estate, Howard De Temple, manager, Reading. Brick, 4 and 3 stories, 100x20 feet, tin and slate roof, hot water heating, combination lighting, tile floors, waterproofing. Owner is now taking sub-bids.

Residences (10), Birdsboro, Pa., \$32,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, James Sponagle, Birdsboro, Pa. Hollow tile, 2 stories, 14x44 feet, tin roof, hot air heating, combination lighting. Owner is taking bids.

Show and Repair Room, American House, Fourth and Penn streets, Reading, \$12,000. Architect, Wayne M. High, 416 Penn street, Reading. Owners, Ammon & Kershner, American House, Reading. Lessees, Fisk Tire & Rubber Co., on premises. Brick and steel, 1½ stories, 60x60 feet, slag and reinforced concrete roof, steam heating, electric lighting, reinforced concrete floors, waterproofing. Architect will take bids April 14th.

Picture Theatre (alt.), Reading, Pa., \$5,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owner, Benj. H. Zerr, Reading, Pa. Consists of new balcony. Architect is ready for bids.

Residence, Fleetwood, Pa., \$6,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owner, Raymond Kelchner, Fleetwood, Pa. Brick, 2½ stories, 30x40 feet, slate roof, electric lighting. Plans in progress.

School (alt. and add.), Fleetwood, Pa., \$15,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, School Board, Fleetwood, Pa. Brick, 48x50 feet. Plans in progress.

Church and School, State street, Harrisburg, Pa. Architect, Paul A. Monaghan, Drexel

Building, Philadelphia. Owners, St. Lawrence German R. C. Church, Rev. P. S. Huegel. Stone and brick, 60x170 feet, 2 stories, slate roof, (heating reserved). Plans about completed. Architect will take bids in about two weeks.

Residence, Merion, Pa. Architects, Druckemiller & Williams, Land Title Building. Owner, A. M. Lewis, Merion, Pa. Stone, 2½ stories, tin roof, electric lighting, hot water heating, hardwood floors, tile work. Architects have received bids.

Residences (4), Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Land Improvement Co., care architects. Stone, hollow tile and plaster, 2½ stories, shingle roofs, steam heating, electric lighting, yellow pine floors, (weatherstrips reserved). Architects taking bids, due April 12th. The following are figuring: Specht & Sperry, Heed Building; Samuel R. Hows & Son, Ardmore, Pa.; J. D. Lengel, Wayne, Pa.; W. Harry Roberts, Ardmore, Pa.; J. Howard Roberts, Lansdowne, Pa.

Bank and Office Building (rebuilding), Tamaqua, Pa. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owners, Tamaqua National Bank, Tamaqua, Pa. Brick, terra cotta and steel, reinforced concrete floors, 3 stories, composition and slate roof, metal sash, metal doors, iron stairs, tile and marble work, vault doors, oak floors, composition flooring, metal lath, (plumbing, heating, electric work and banking fixtures separate bids). Architect taking revised bids, due April 17th. The following are figuring: Metzger & Fisher, Denckla Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia; Andrew Breslin, Summit Hill, Pa.; A. L. Graff, Tamaqua, Pa.; Shamokin Lumber Co., Shamokin, Pa.

School, Oley Township, Pa., \$15,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Board of Education, Oley Township, Pa. Brick, 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Residences (50), Fleetwood, Pa., \$90,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Fleetwood Building Asso., Fleetwood, Pa. Brick, 2½ stories, 14x60 feet, slate and slag roof. Plans in progress.

Factory, Reading, Pa. Architect, Fred Muchlenburg, 706 Colonial Trust Building, Reading. Owners, Penn Optical Co., H. L. Miller, manager, Reading. Reinforced concrete, waterproofing and dampproofing, fire towers, one elevator, metal sash and doors. Architect ready for bids in two weeks.

Garage, Fleetwood, Pa. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Fleetwood Motor Car Co., Fleetwood, Pa. Brick, 1 story, 50x96 feet, slag roof, electric lighting, concrete floors. Owners are sub-letting all contracts.

Residence, Schuylkill Haven, Pa., \$9,000. Architect, Geo. L. Herhard, 519 Penn street, Reading, Pa. Owner, W. F. Mock, Schuylkill Haven, Pa. Brick, 2½ stories, 40x40 feet, slate or shingle roof, hot water heating, electric lighting, tile and hardwood floors. Owner is taking bids.

School, Yardley, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia.

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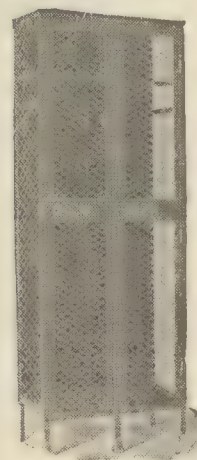
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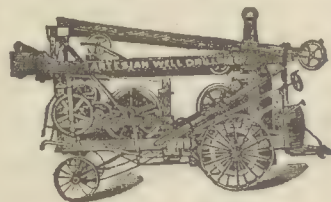
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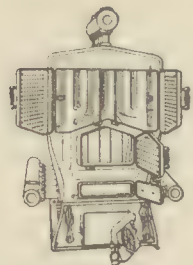


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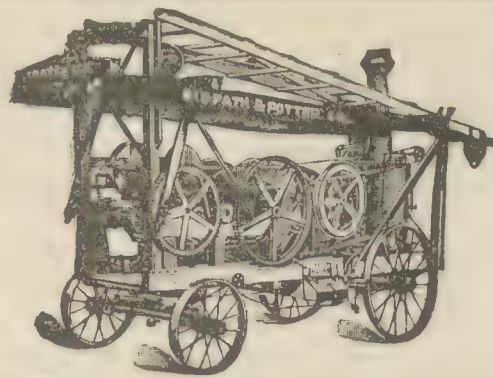
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Owners, Board of Education, Yardley, Pa. Brick, 1 story. Details not yet decided. Plans in progress.

Garage, Spring Mill, Pa. Architect, Spencer Roberts, 1524 Chestnut street, Philadelphia. Owner, A. A. Carthwaite, Spring Mill, Pa. Brick, stone trimmings, 2½ stories, 23x32 feet, shingle roof, hot water heating, electric lighting. Architect and owner taking bids, due April 10th. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

Bungalow, Drexel Hill, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, C. Wilkinson, Taylor avenue, Drexel Hill, Pa. Brick and plaster, 1½ stories, 48x31 feet, shingle or slate roof, (heating and lighting reserved). Architect taking bids, due April 17th at noon. The following are figuring: George Hogg, 1634 Sansom street, Philadelphia; Christian Hansen, 41 E. Hirst street, East Lansdowne, Pa.; W. Harry Roberts, Grassland, Pa.; Harry Davis, Drexel Hill, Pa.; Jos. M. Collom, Drexel Hill, Pa.; L. W. Goodman, Drexel Hill, Pa.; H. W. Hoch, Drexel Hill, Pa.; Frank G. Stewart, 1619 Sansom street, Philadelphia.

Cafe (alt. and add.), Penn street, Reading, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Emil Gorstel, Reading, Pa. Kitchen equipment. Plans in progress.

Masonic Home, Womelsdorf, Pa., \$7,000. Architect, Calvin J. Young, 520 Washington street, Reading. Owners, Williamson Lodge, No. 307, Chas. P. Shaffer, chairman. Brick, 3½ stories, 40x56 feet, tin roof, hot water heating, electric lighting, tile and hardwood floors. Plans about completed. Architect will take bids in about one week.

Sunday School and Church (alt. and add.), Hecktown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Dryland Union Lutheran Reformed Church, Rev. J. A. Kleck, Nazareth, Pa. Brick and stone, 1½ stories, 60x50 feet, slate roof, steam heating, electric lighting, maple floors, dampproofing. Architect taking bids, due April 15th. The following are figuring: Flick & Simons, Nazareth, Pa.; Geo. W. Weller and Charles Swartz, Bethlehem, Pa.; W. F. Danzer & Co., South Bethlehem, Pa., and Butz & Clader, Allentown, Pa.

Residence, Wyomissing, Pa., \$12,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Max Mittendorff, Wyomissing, Pa. Brick, 2½ stories, 39x60 feet, sate roof, vapor heating, tile, hardwood and reinforced concrete floors, waterproofing, combination lighting. Architect taking bids, due April 12th. The following are figuring: Adam P. Spatz, Wernersville, Pa.; Chas. Schlegel, 224 Perkiomen avenue; H. J. Raubenbush, 1324 Perkiomen avenue; Geo. H. Koch, 1024 Robeson street; W. A. Sharp, 1303 Eckert avenue; D. H. Hunter, 820 N. Eleventh street, all of Reading, Pa.

Residence (add.), Cornell, Pa., \$10,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, T. D. Adams, Cornell, Pa. (P. O. Churchville). Hollow tile and stucco, 2 stories, 46x38 feet, slate or tile roof, hot water heating, tile and hardwood floors, dampproof-

ing. Revised plans in progress. Will take bids in about three weeks.

Municipal Building, Yardley, Pa., \$12,000. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Borough of Yardley, Lewis C. Leedom, Yardley, Pa. Brick, stone, marble trimmings, 2 stories, 40x50 feet, slag roof, hot water heating, electric lighting, dampproofing, office fixtures. Owners ready for bids.

Sunday School (add.), Doylestown, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Salem Reformed Church, Rev. L. D. Hetrick, Doylestown. Stone, 1 story, 41x27 feet, slate roof, electric lighting. Plans in progress. Will take bids in about three weeks.

Residence, Doylestown, Pa., \$6,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Frank Hart, Doylestown, Pa. Stone and stucco, 2½ stories, 34x36 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Owner will take sub-bids in one week.

Residence, Easton, Pa., \$15,000. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owner, William R. Haytock, Easton, Pa. Stone, 2½ stories, 46x50 feet, slate roof, steam heating, electric lighting, tile and hardwood floors. Architect ready for bids.

Residence (alt. and add.), Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Robert Moyer, Bethlehem, Pa. Brick, 1 story addition, 18x50 feet, slag roof, electric lighting. Plans in progress.

Store and Apartment (add.), East Third street, South Bethlehem, Pa., \$10,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Robert Long, South Bethlehem, Pa. Brick, 2 stories, 25x100 feet, slag roof, steam heating, electric lighting, maple floors. Ready for bids.

Residence, Fountain Hill, Pa., \$12,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Warren A. Wilbur, South Bethlehem, Pa. Brick, hollow tile and stucco, 2½ stories, 42x46 feet, shingle roof, hot water heating, electric lighting, tile and hardwood floors, waterproofing and dampproofing. Plans about completed. Architect will be ready for bids in about one week.

School (alt. and add.), Bethlehem, Pa., \$40,000. Architect, Ed. R. Bitting, South Bethlehem, Pa. Owners, Board of Education, Howard Judd, secretary, Bethlehem. Brick, cement and stone trimmings, 2 stories, 92x64 feet, slag roof, steam heating, electric lighting, composition floors, waterproofing, safety treads, dampproofing. Owners taking bids, due April 17th.

Silk Mill, Sunbury, Pa., \$115,000. Architects, Jacoby & Weishample & Wiegner, Bethlehem, Pa. Owners, Susquehanna Silk Mills, Sunbury, Pa. Reinforced concrete, brick and steel, 5 stories, 96x210 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing. Plans in progress.

Residences (45), Marcus Hook, Pa. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, American Viscose Co., Marcus Hook, Pa. Brick, 2½ stories, 24x33 feet, slate roofs, electric lighting, hot air heat-

ing. Architects taking bids, due April 17th at noon sharp. The following are figuring: Harry Brocklehurst, 512 West Norris street; Henry P. Schneider, 3713 Old York road, Philadelphia; J. Irvin Taylor, Chester, Pa.; Wm. Provost, Jr., Chester, Pa.

Residence, Garage and Cottage, near Media, Pa. Architects, Evans & Warner, Wither-spoon Building, Philadelphia. Owner, Furman Furness, Media, Pa. Stone, 2½ stories, electric lighting, hot water heating, hardwood floors, tile work. Plans completed. Contract may be awarded without competition, if not architect will take bids in a few days.

Residence (alt. and add.), Ithan, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Mrs. M. Ellison Walbaum, Ithan, Pa. Consists of general interior and exterior alterations and additions. Architects taking bids, due April 17th. The

following are figuring: Gray Bros., Rosemont, Pa.; J. D. Lengel, Wayne, Pa.; E. Oscar Lobb, Llanerch, Pa.; Wilbur W. Wannop, Haverford, Pa., and John J. Murphy & Co., 1139 South Wilton street, Philadelphia.

Residences (5), Yardley, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Charles T. Eastburn, Yardley, Pa. Brick, stone and hollow tile, 2½ stories, 30x40 feet each, slate, shingle and asbestos shingle roofs, hot air heating, electric lighting. Owner is taking sub-bids.

Residence, Media, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 46x36 feet, slate roof, hot water heating, tile work, oak floors, mantels and book cases, electric lighting. Architects taking bids, due April 12th. R. C. Ballinger & Co., 218 North Thirteenth street, are figuring (only bidders).

PENNSYLVANIA Contracts Awarded

Residence (alt. and add.), Wernersville, Pa., \$2,800. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, F. C. Hockman, Wernersville, Pa. Brick, 2½ stories, 40x35 feet, tin roof, vapor heating, electric lighting, hardwood floors. Contract awarded to Stanley M. Keever, Wernersville, Pa.

School and Auditorium, Collingdale, Pa. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Joseph's R. C. Church, Rev. Otho C. Gromell, Collingdale, Pa. Brick, terra cotta and stone or hollow tile and brick, 2 stories, 52x103 feet, slate roof, metal lath, slate blackboards, iron stairs, marble and tile work, reinforced concrete floors, pine floors, waterproofing, (heating and electric work separate bids). Contract awarded to James P. Farrell & Co., Inc., 1619 Sansom st., Philadelphia.

Parochial School and Convent, Heckescherville, Pa. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, Rev. John B. Dever, Hocksesherville, Pa. Frame, 2 stories, 40x70 feet and 50x90 feet, slate roofs, electric lighting, (heating reserved). Contract awarded to Gordon Nagle, Pottsville, Pa.

Grand Stand, Muchlenburg Township, Pa., \$25,000. Architect, Calvin J. Young, 520 Washington street, Reading. Owners, the Reading Fair Co., Inc., Reading, Pa. Reinforced concrete and steel, 204x67 feet, asbestos roof, metal lath, dampproofing and waterproofing. Contract awarded to L. H. Focht & Son, Reading, Pa.

Church and Sunday School (alt.), Sixth and Foster streets, Harrisburg, \$70,000. Architect, A. A. Ritcher, Reading, Pa. Owners, Messiah Lutheran Church, Rev. Henry Henson, Harrisburg. Stone, 1½ stories, 60x100 feet, slate roof, steam heating, electric lighting, maple floors. Contract awarded to H. C. Wright, Steelton, Pa.

City Hall (alt.), Reading, Pa., \$7,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, City Committee, Frank Tyson, Reading, Pa. Steel cells and elevator. Contract awarded to Daniel Hunter, Reading, Pa.

Private School, Rydal, Pa., \$200,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ogontz School for Young Ladies, Miss A. A. Sutherland. Stone, 3 stories, slate roof, steam heating, metal lath, metal lockers, waterproofing and dampproofing, tile and marble work, fire doors, slate blackboards, reinforced concrete floors, metal doors, (weatherstrips, electric work, elevators and laundry equipment reserved). Contract

awarded to Geo. F. Payne & Co., 401 South Juniper street, Philadelphia.

Power House, Bala, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Lower Merion School District, Wm. J. Byrnes, secretary, Ardmore, Pa. Stone, 1 story, 24x61 feet, slag roof, concrete floors, waterproofing, iron stack, fire escapes, proposal bond, (plumbing, heating and electric work separate bids). Contract awarded to P. J. Lawler, Bala, Pa.

Garage and Stable, Croyden, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Johnson Estates, care Lawrence J. Morris, 209 South Third st., Philadelphia. Stone and frame, 2 stories, 32x71 feet, shingle roof, hot water heating, cement floors. Contract awarded to Wm. H. Parlamen, Devon, Pa.

Farm Buildings, Croyden, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, Johnson Estates, care Lawrence J. Morris, 209 South Third street. Stone and frame, 1 and 2 stories; barn, 61x85 feet, wing, 50x125 feet, shingle roof. Contract awarded to Wm. H. Parlamen, Devon, Pa.

Pond and Reservoir, Marcus Hook, Pa. Engineer, private plans. Owners, Bonzel Products Co., Marcus Hook, Pa. Reinforced concrete, 100x89 feet, 4 feet deep. Contract awarded to Harry M. Platt, Pennsylvania Building, Philadelphia.

Sanitarium (adds.), Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanitarium for Tuberculosis, care of Samuel F. Dixon, 1900 Race street, Philadelphia. Stone and hollow tile and plaster. Dining building, 3 stories, 65x47 feet; medical directors' residence, 2½ stories, 44x54 feet; asbestos shingle roofs, metal lath, iron stairs, kalamein doors, metal sash, yellow pine floors, fire escapes (heating, plumbing and electric work separate bids). Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

Hunting Lodge (alt. and add.), near Pheonixville, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Wm. J. Clothier, 131 South Fourth street, Philadelphia. Stone and frame, 2 stories, shingle roof, electric lighting. Contract awarded to J. J. Murphy & Co., 1139 South Wilton street, Philadelphia.

Residence, Norristown, Pa. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owner, F. B. Wildman, Norristown, Pa. Stone, 2½ stories, 46x70 feet, tile roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to F. B. Davis,

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Pumping Station (alt.), Easton, Pa., \$2,000. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owners, Lehigh Water Co., Easton, Pa. Consists of new brick walls and two boilers. Contract awarded to R. T. & C. D. Stewart, Easton, Pa.

Mill Building (alt. and add.), South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Brown & Berwick, South Bethlehem, Pa. Brick, 2 stories, 108x40 feet, slag roof, electric lighting. Contract awarded to George Heller, Bethlehem, Pa.

Store, Hamilton street, Allentown, Pa., \$20,000. Architect, Ephraim M. Pickin, Hunsicker Building, Allentown. Owners, S. S. Kresge Co., 50 Union Square, New York City. Brick, 3 stories 30x110 feet, slag roof, steam heating,

electric lighting, waterproofing. Contract awarded to Ritter & Smith, Allentown, Pa.

Residence, Rittersville, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Henry Ruth, Rittersville, Pa. Brick, 2½ stories, 33x40 feet, slate roof, hot water heating, electric lighting, hardwood floors and tile work. Contract awarded to George Mirdinger, Bethlehem, Pa.

Bridge, Schuylkill River, south of Reading, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Concrete piers and steel superstructure, 75 feet long. Contract for substructure awarded to Charles McDermott Co., Pennsylvania Building, Philadelphia. Contract for steel superstructure to Pennsylvania Steel Company, Steelton, Pa.

NEW JERSEY Construction News

Bungalow, Somerset, N. J. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, Thomas R. Wiggins, 244 Spring street, Trenton, N. J. Frame, 1 story, 30x42 feet, shingle roof. Plans in progress.

Residence (alt. and add.), Merchantville, N. J., \$3,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Mahlen F. Ivins, Jr., Merchantville, N. J. Frame, 2½ stories, 22x34 feet, slate roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Residence, Trenton, N. J., \$8,000. Architect, H. A. Hill, 40 E. State street, Trenton, N. J. Owner, H. D. Humphrey, 29 Oak lane, Trenton, N. J. Hollow tile and brick, 2½ stories, 42x37 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architect has received bids.

Residence, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, Dr. Leland Kniffin, 726 Riverside avenue, Trenton. Brick, 2½ stories, 37x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architects taking bids, due April 12th. The following are figuring: S. W. Mather & Son, Burton & Burton, Scott & Day, Edward La Rue, A. W. Chapman, Wm. Ivins, all of Trenton, N. J.

High School, Camden, N. J. Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owners, Board of Education, Camden, N. J. Brick, granite, terra cotta, steel and reinforced concrete, fireproof, slate and slag roof, iron stairs, metal lath, kalamein doors, fire doors, roof ventilators, waterproofing, slate blackboards, tile, marble and terrazzo work, yellow pine floors, metal weather strips (heating, plumbing and electric work separate bids). Lowest bidders are: Wilbert Beaumont, Stephen Girard Building, Philadelphia, \$349,000; Thomas Reilly, 1616 Thompson st., Philadelphia, \$351,427.

Residence, Ventnor, N. J. Architect, P. J. Klings, 1012 Walnut street, Philadelphia. Owners, name withheld. Hollow tile and plaster, 2½ stories, 37x28 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Architect has received bids.

Service and Storage Buildings, Camden, N. J. Architects, Savery, Scheetz & Savery, Stephen Girard Building, Philadelphia. Owners, Crew Levick Co., Land Title Building, Philadelphia. Service building, 1 story, brick, 22x16 feet; storage building, 1 story, brick and reinforced concrete, 1 story, 70x70 feet, slag, slate and cement tile roofs, metal lath,

waterproofing, steel sash, maple floors, (heating, electric work and gasoline pumps and tanks reserved). Architect has received bids.

Foundry, Phillipsburg, N. J., \$80,000. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owners, Warren Foundry and Machine Co., Phillipsburg, N. J. Brick and steel, 1 story, 220x103 feet, slag roof, concrete floors. Contract for foundations awarded to A. A. Bechtel, Easton, Pa.; steel work to Belmont Iron Works, Real Estate Trust Building, Philadelphia. Architect will take sub-bids on superstructure.

Hosiery Mill, Millville, N. J., \$70,000. Architect, private plans. Owners, Wm. F. Taubel, Inc., Riverside, N. J. Reinforced concrete, 2 stories, 150x150 feet, 50-foot wing, slag roof, metal sash, (roof ventilators, heating and electric work reserved). Contract awarded to Harrison G. Rea Co., 1027 Wood street, Philadelphia, who is taking sub-bids.

Library Building, Camden, N. J., \$130,000. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owners, City of Camden, Camden, N. J. Donor, Eldridge R. Johnson, president, Victor Talking Machine Co. Stone and steel, fireproof, 1 story, steam heating, electric lighting, marble work, metal lath. Architect taking revised bids, due April 14th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; George A. Fuller Co., Widener Building; F. L. Hoover & Sons, 1023 Cherry street; Warren, Moore Co., Commercial Trust Building; Doyle & Co., 1519 Sansom street; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Residence, Sumner, N. J. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Frank H. Bachman, 1512 Chestnut street, Philadelphia. Brick and plaster, 2 stories, 61x42 feet, shingle and tin roof, oak floors, tile work, bookcases and mantels, waterproofing (heating and electric work reserved). Architect taking bids, due April 17th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; Frank G. Stewart, 1619 Sansom street; Milton W. Young, Overbrook, Philadelphia; George W. Shaner & Son, Palmyra, N. J., and J. S. Rogers Co., Moorestown, N. J.

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Miscellaneous Construction News

Bank and Office Building, Harrisburg, Va. Architect, Alfred C. Bossom, 366 Fifth avenue, New York City. Owners, The Peoples Bank, Harrisonburg, Va. Brick, granite, limestone, steel and concrete, fireproof, 5 stories, 41x79 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing, elevators, ornamental iron work, composition floors, tile and terrazzo work, kalamein doors. Architect taking bids, due April 17th. James H. Wells, Heed Building, Philadelphia, is figuring.

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Mrs. Mary C. Weedon, Wilmington, Del. Hollow tile and stucco, 2½ stories, 40x35 feet, shingle roof, hot water heating, electric lighting, tile floors. Architects ready for bids.

Garage, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Arthur F. Porter, 1100 Rodney street, Wilmington, Del. Brick and stucco, 2 stories, 20x30 feet, slate roof, hot water heating, electric lighting, concrete floors. Architect taking bids.

Residence (alt. and add.), Middletown, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Mrs. Nora Weber, Middletown, Del. Stone and frame, 2½ stories. Plans in progress.

Office Building, Wilmington, Del., \$30,000. Architect, Resco C. Tindall, Equitable Building, Wilmington. Owner, name withheld. Brick, stone and steel, 3 or 6 stories, slag roof, steam heating, electric lighting. Plans in progress.

Residence, Wilmington, Del., \$6,000. Architect, Rosecoe C. Tindall, Equitable Building, Wilmington. Owner, name withheld. Brick and stucco, 2½ stories, slate roof, hot water heating, electric lighting. Plans in progress.

Dairy Building, Wilmington, Del. Architect, Rosecoe C. Tindall, Equitable Building, Wilmington, Del. Owner, name withheld. Brick, 2 stories. Plans in progress. Details not decided.

Barn, Newark, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Cornelius Mundy, 305 W. Eleventh street, Wilmington, Del. Stone and frame, 2 stories, 110x50 feet, shingle roof, electric lighting, concrete floors. Plans in progress.

Service Building, Wilmington, Del. Architect, Leon Wilde Crawford, Odd Fellows' Temple, Wilmington. Owners, Delaware Motor Sales Co., Wilmington, Del. Reinforced concrete, brick and terra cotta, 2 stories, 132x123 feet, slag roof, electric lighting, metal sash, metal lath (heating, plumbing, tile work and elevators reserved). Revised plans in progress.

Residence (alt. and add.), Wilmington, Del. Architects, De Armond, Ashmead & Bickley, 1329 Walnut street, Philadelphia. Owner, Mrs. Frank L. De Armond, 900 Broome street, Wilmington. Brick addition, 3 stories, 29x32 feet, slag roof, electric lighting (plumbing, hot water heating and tile work reserved). Architects taking bids, due April 12th. The following are figuring: W. Howard May, 1024 Rodney street; W. D. Haddock & Co., 804 Orange street; John E. Healy & Son, 707 Tatnall street, all of Wilmington, and Eugene Tourison, 1001 Chestnut street, Philadelphia.

Miscellaneous Contracts Awarded

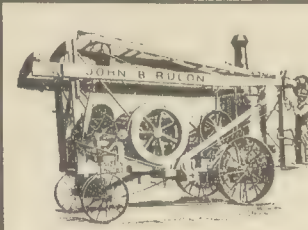
Residence and Garage, Guyan Court, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Victor Du-

pont, Wilmington, Del. Hollow tile and stucco, 3 stories; residence, 35x32 feet; garage, 2 stories, 20x30 feet, slate roof, electric lighting, tile work, hardwood floors, damp-proofing, (vapor vacuum heating reserved). Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Residence, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Frank D. Luckey, Ninth and Market streets, Wilmington. Stone, 3 stories, 130x34 feet, slate roof, vacuum heating, electric lighting, hardwood floors, tile work, water supply system. Contract awarded to W. B. Haddock & Co., 804 Orange street, Wilmington, Del.

Hospital (add.), Farnhurst, Del., \$46,961. Architect, L. W. Crawford, Odd Fellows' Temple, Wilmington, Del. Owners, State of Delaware, Dover, Del. Brick, stone trimmings, 3 stories, 98x135 feet, slate roof, steam heating, electric lighting, tile work, metal lath, waterproofing, dampproofing. Contract awarded to Wm. S. Anderson, Wilmington, Del.

Residence, Newport, R. I., \$10,000. Architects, De Armond, Ashmead & Bickley, 1529 Walnut street, Philadelphia. Owner, Mrs. John Marshall, 1718 Pine street, Philadelphia. Brick, frame and stucco, 2½ stories, 62x34 feet, shingle roof, electric lighting. Contract awarded to Eugene Tourison, 1001 Chestnut street.



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MARYLAND Construction News

Apartment House, Charles street, Baltimore, Md. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owner's name withheld. Brick, steel and concrete, stone and marble trimmings, 4 stories, 68x118 feet, slag or tin roof, steam heating, combination lighting, tile, terrazzo and interior marble work. Plans in progress.

Residences, (5), Salisbury, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, Mrs. E. E. Jackson, Salisbury, Md. Brick and frame, 2½ stories, shingle roof, hot water heating, combination lighting, plumbing. Architect ready for bids.

Dwelling, Roland Park, Md. Architect, Edw. L. Palmer, Munsey Building, Baltimore. Owners, Gilman Country School, on premises. Stone and brick, 2½ stories, slate roof, hot water heating, electric lighting, tile bath, hardwood floors. Plans about completed. Architect will be ready for bids in ten days.

Dwelling and Garage, Guilford, Md., \$35,000. Architect, George R. Callis, Jr., 218 East Lexington street, Baltimore. Owner, Mary Kennedy, 603 University Parkway, Baltimore. Stone, 2½ stories, 41x52 feet; wing, 22x25 feet; garage, stone, 24x28 feet; slate roofs, hot water heating, electric lighting, tile baths, vacuum cleaning, concrete work. Architects ready for bids.

School, Linthicum Heights, Md., \$10,000. Architect, Herbert G. Crisp, Calvert Building, Baltimore. Owners, Anne Arundel County Commissioners, Wm. S. Crisp, secretary. Brick, 2 stories. Details not decided.

Warehouse, Sharp and Ostend streets, Baltimore. Architect, private plans. Owners, F. X. Ganter Co., 13 West Pratt street, Baltimore. Brick, 5 stories, 66x156 feet, slag roof, electric lighting, steam heating, elevators. Plans in progress. Architects will take bids in about three weeks.

Cost, \$7,000. Two dwellings, Camac street and Sommerville avenue. Brick and stone, 3 stories, 27x39 feet.

Fred Pearson & Co., Inc. (O), Manayunk, Phila. A. L. Fretz & Son Co. (C), 1222 Chancellor street. Cost, \$54,000. Mill and offices, Leverington and Manayunk avenues. Brick, 4 stories, 159x74 feet, 18x41 feet.

Wm. E. Chapman (O), Widener Building. W. John Stevens (C), Wyncote, Pa. Cost, \$3,000. Dwelling, Kitchens lane and Wissahickon avenue. Stone, 3 stories, 49x59 feet.

N. S. Holden (O), 1214 Foulkrod street. G. R. Osborne & Son (C), 5017 Duffield street. Cost, \$2,000. Dwelling, 4413 Hedge street. Brick, 2 stories, 14x42 feet.

Albert Wilberg (O), Manayunk, Phila. John Wolf, 4116 Terrace street. Cost, \$4,650. Two dwellings, Manayunk avenue and Harvey street. Stone and brick, 2 stories, 16x42 feet.

Thos. W. Smith (O), 6932 Keystone avenue. E. W. Mattis & Son, 4412 Wingohocking st. Cost, \$12,000. Six dwellings, Longshor and Cottage streets. Brick, 3 stories, 16x42 feet.

Edwin S. Bradly (O), Broad and Olney sts. Cost, \$100,000. Twenty dwellings, Park and Chew streets. Brick and stone, stories, 16x58 feet.

John W. Mortimer (O), 3024 E street. Cost, \$41,000. Sixteen dwellings, Allegheny avenue and B street. Brick, 2 stories, 15x51 feet.

C. Begold (O), 215 Pechin street. H. C. Messimer (C), 532 Righter street. Cost, \$8,800. Four dwellings, Rector and Pechin sts. Brick, 2 stories, 16x43 feet.

J. Chesick (O), Reed and Fairhill streets. Louis Schpeen (C), 443 Shunk street. Cost, \$16,500. Six dwellings, Fifty-fifth and Kingessing avenue. Brick, 2 stories, 14x44 feet.

Bishop Foss, M. E. Church (O), Thirteenth and Rockland streets. T. C. Trafford (C), 1613 Sansom street. Cost, \$48,000. Sunday school, Thirteenth and Rockland streets. Stone, 2 stories, 112x113 feet.

Phila. Textile Machine Co. (O), Hancock and Somerset streets. Hennebique Const. Co. (C), Drexel Building. Cost, \$100,000. Concrete, 1 story. 251x261 feet.

Harold S. Swope (O), 5028 Frankford avenue. Cost, \$12,200. Six dwellings, Bridge and Penn streets. Brick, 2 stories, 14x42 feet.

Hart & Bailey (O), Fifteenth and Lindley avenue. Cost, \$119,000. Twenty-six dwellings. Sixteenth and Mentor streets. Stone and brick, 2 stories, 16x32 feet.

Barrett Mfg. Co. (O), Bermuda and Tucker streets. A. R. Raff, 1635 Thompson street. Cost, \$15,000. Storehouse, Bermuda and Tucker streets. Brick, 2 stories, 50x71 feet.

Leborowitz & Litwin (O), Fourth and Catharine streets. Cost, \$154,800. Sixty-four dwellings, Crowson and Dorsett streets. Brick, 2 stories, 15x34 feet.

C. E. Lloyd, Jr. (O), Eighth street and Sixty-sixth avenue. Cost, \$9,500. Dwelling,

(Continued on page 258.)

MARYLAND Contracts Awarded

Y. M. C. A. (alt. and add.) Brunswick, Md. Architect, M. A. Long, care of Baltimore and Ohio Railroad Co., Baltimore. Owners, Baltimore and Ohio Railroad, Baltimore. Frame, 2 stories, 99x58 feet, slate and composition roof, extension heating, concrete work, electric lighting. Contract awarded to H. B. Funk, Brunswick, Md.

Residence (alts.) and Garage, 2706 Reisterstown road. Architect, George R. Callis, Jr., 218 E. Lexington street, Baltimore. Owner, S. Leibowitz, Columbia avenue and Baltimore and Ohio Railroad, Baltimore. Brick and concrete, slag roof, electric lighting, marble, tile work, metal weather strips. Contract awarded to R. J. Cushen, 217 St. Paul street, Baltimore.

Store, southeast corner of Fayette and Charles streets, Baltimore. Architects, Smith & May, Calvert Building. Owners, The Hub, Charles and Baltimore streets. Gallery and interior improvements, electric lighting. Contract awarded to Edward Brady & Son, 1109 Cathedral street, Baltimore.

Bungalows (5), Linthicum Heights, Baltimore. Architect, private plans. Owners, Reed Realty Co., C. G. Reed, Linthicum Heights. Frame; 1½ stories, composition and slag roof. Contract awarded to W. A. Foreman, Walker avenue, Towson, Md.

Church, Mt. Washington, Md., \$55,000. Architects, Baldwin & Pennington, 330 North Charles street, Baltimore. Owners, Sacred Heart R. C. Church, Mt. Washington, Md. Stone, slate roof, steam heating, electric lighting. Contract awarded to J. J. O'Connor, 427 East Lexington street, Baltimore.

Show Rooms and Hall, 137-39 West Mt. Royal avenue, Baltimore. Architects, Wyatt & Nolting, Keyser Building, Baltimore. Owners, Automobile Club of Maryland, H. M. Luizius, secretary, 12 West Mt. Royal avenue, Baltimore. Brick, terra cotta, limestone and reinforced concrete, 3 stories, 53x87 feet, slag roof, steam heating, electric lighting, copper work, fireproofing, fire escape, dampproofing, marble and tile work. Contract awarded to Charles L. Stockhausen Co., Inc., Gay and Water streets, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Herman Auth (O), 4300 Cloud street. Cost, \$11,000. Nine dwellings, Pratt and Torresdale

avenue. Brick, 2 stories, 14x35 feet.

John B. Mayer (O), Broad and Cayuga sts.

Bell Phone, Spruce 6612. Keystone Phone, Race 2799

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Editorial Comment

In spite of the general complaint regarding the advance in the cost of labor and material, there is one class of builders reported busier than they have been for many years. That class is the reinforced concrete specialists, who are reported figuring on new work in nearly every section of the country. The popularity of this structural medium for shop and factory buildings is growing yearly. Fortunately for the reinforced concrete element the major demand seems to be just now for buildings of the industrial type. As a result, men who specialize in this class of building are reported to be facing a season of unusual promise.

* * *

There is a falling off everywhere observable in dwelling work of the operative type, due largely to the unwillingness of capital to make loans for this class of work in face of the upward tendency of material costs. And while this condition is bound to be to some extent alleviated by the coming of mild weather with a nearly normal demand for new and moderate-priced homes, trust company officials are reported to be disposed to wait and see how the buying public takes to the approximately twenty-five per cent. advance in prices before backing additional ventures of the kind on an extensive scale. Operative builders who have gone ahead with their projects report a fairly active demand even at the increased prices, so that it is probable that good weather may see this class of building up to somewhere near normal figures. Here in Philadelphia whole blocks of operations are tied up because of the action of Councils in authorizing the construction of \$300,000 worth of sewers for which no appropriation is available. Real estate men aver that not less than a half million dollars' worth of work is held up by this cause alone.

For many months Councils have been passing ordinances calling for the laying of pipes in newly dedicated streets. Real estate operators looked upon the ordinances as assurances that the sewers would be constructed, and began several operations in outlying sections of West Philadelphia. At the present time the city's financial condition is such that no one can tell when the sewers will be laid. If the operators try to settle the difficulty by laying the pipes themselves they will be forced to expend from \$6 to \$10 per running foot. If the city laid the pipes the cost to the operators would be only \$1.50 a running foot for each side of the street.

A delegation of operative builders that waited upon the Mayor recently to ask relief from this condition were promised every official co-operation, but owing to the existing financial muddle and to factional disturbances in Councils, the outlook for prompt action is looked upon as anything but encouraging.

* * *

New York advices are to the effect that

the Compensation Law is also figuring to some extent in the higher cost of doing business.

"As the insurance premium is eventually shifted, in theory at least, to the general public, in some of its aspects the law is not unfavorable to employers. Nevertheless, it means something more added to the cost of construction, and therefore it is reputed to be playing a part among the considerations which are deterring some builders from making a start."

* * *

An article by Herbert S. Swan, in the New York "Record and Guide," summarizing a report prepared for the National Municipal League, presents with unusual clearness and force the wisdom, from a city-planning viewpoint, of the principle of excess condemnation.

"The case for excess condemnation rests primarily upon two considerations: the reploting of remnants and the control of land adjacent to improvements," writes Mr. Swan.

"The importance of this power as a means to obtaining a convenient and well-considered plan, especially in the older and built-up sections of a city, can hardly be overestimated. The wisdom of many a street improvement hinges upon the exercise of excess condemnation. The land adjacent to a street is generally divided into plots, the shape and size of which are adapted, as well as might be, to the street's present use and condition.

"When Delancey street (New York) was widened to provide for the bridge approach, a tapering strip, with an area of some 90.8 square feet, was left extending along the street for more than a hundred feet, with an average width of 10 13-16 inches. Several other strips less than 10 feet in width were left fronting along the widened thoroughfare for an equal distance. These strips robbed the lots adjoining them in the rear of their natural frontage on Delancey street.

"The following are a few examples of plots left by improvements actually made in New York City: At the corner of Elizabeth and Delancey streets, a triangular segment, 9.10 by 1.51 feet in dimension, or 6.87 square feet in area; between Mulberry street and Cleveland place on Delancey street, a segment, 1.47 by 8.98 feet, or 6.59 square feet in area; between Barclay and Vesey streets, on West Broadway, a segment, 2.6 by 13.5 feet, or 17.27 square feet in area; on Prince street and Flatbush avenue, one 4.3 by 10.3 feet, or 21.96 square feet in area; on Lafayette avenue and Flatbush avenue, one 1.7 by 6.4 feet, or 5.28 square feet in area, and on Lafayette and Pearl streets, one 4.8 by 9.2 feet, or 21.63 square feet in area.

* * *

"It is self-evident that the utility for commercial purposes of the lots fronting on these street extensions and widenings is greatly im-

paired. Lots which, if united under single ownership, would afford sites for substantial business blocks commensurate with the importance of the street and which would bring in large rents are now on or very near the margin of no-rent land. They are so small and irregular in size as to be totally unfit for improvement. 'There are streets in New York to-day,' says Tax Commissioner Lawson Purdy, 'which have been widened for ten years, but still look as though they had been devastated by an earthquake. The reason is that when the map is inspected it is found that there are all sorts of small bits of land in separate ownerships, just as they were when the street was widened.'

"Since each parcel, by the mere fact of its adjacency, commands the values of the neighboring plots, every owner becomes, as it were, a monopolist. Knowing the strategic position of his own remnant and that its union with its neighbor would immediately, without any effort on his own part, result in a greater value than the sum of the two separately, each proprietor overestimates the true importance of his own plot and shrewdly bargains to get not only the proportion that his own parcel contributes to this increased value, but also as much more as he is able to wring from the purchaser. Not succeeding in his designs by legitimate means, the owner, if he be unscrupulous, sometimes erects so objectionable a building on his land or puts the land to such use as practically to coerce the adjoining owner into either purchasing it at an exorbitant price or selling his own at a great sacrifice. A limited power of eminent domain often serves to make the ultimate development of the city dependent upon petty jugglery. In some instances, remnants owned by estates may be so tied up as to make it impossible to sell or develop them."

* * *

"Until a concentration of ownership takes place, the ripening of the unearned increment is held in abeyance; if the separate parcels are never united, it is completely stopped. Sometimes the increment which would naturally be expected is never enjoyed by anyone to its full extent, and the city, which creates the benefit, reaps none at all. Even though the property owners are deterred from realizing upon the unearned increment, they are nevertheless obliged to pay the special assessments levied to pay the cost of the improvement. Excess condemnation not only relieves the land owners from this burden, but accelerates the city's growth and prosperity by insuring the quick and sure development of its thoroughfares.

"The advantage of control over the character and use of the buildings fronting on an improvement also justifies excess condemnation. By placing suitable restrictions when reselling the surplus land, the city will secure harmony in the treatment of streets.

"The question is largely one of municipal aesthetics. The effect of an improvement is to a very considerable extent dependent upon the beauty of its surroundings. To secure the greatest harmony, it is necessary that each

building be designed with regard to the general final result.

* * *

"Leaving shallow and misshapen remnants in the possession of private owners hampers the city's economic advancement. As much can be said of its aesthetic development. Frontages which, if connected with adjacent land, would furnish sites for substantial and ornamental structures are now occupied by ugly shanties or billboards.

"If our cities are ever to be consistently beautified, it is certain that the State will have to take a hand in the matter. Leaving the unrestricted choice of structural material, height and use of building and design of facade to the owner means anarchy in architectural treatment. Were it not for the failure of our courts in most instances to recognize aesthetic considerations as a ground for exercising control over property, such statutory regulation would be far preferable to the indirect and cumbersome procedure of excess condemnation. It is not likely, however, that such regulation can be made available in this country in the near future, nor is it to be expected that architectural control will ever, except on the rarest occasions, be the primary motive for exercising excess condemnation. Americans have so little appreciation for the aesthetic city.

"Recoupment through excess condemnation and the subsequent sale of excess lands at an enhanced value is justified on essentially the same grounds as the tax on unearned increment. The increased value being a growth exclusively due to the enterprise and initiative of the community, it is entirely proper and just that the city, and not the property owners abutting on the improvement, should obtain the benefit.

"A lot often has what may be called an integral or unit value, and, so far as cost is concerned, it matters little, if at all, to the city whether the whole or only a part is taken. This is especially true of improved land. Where part of a structure has to be taken, the city is invariably obliged to pay for the whole. In such cases, the city might utilize recoupment to exceedingly good advantage. As the initial cost of the improvement would not be augmented by such extra takings, the sums realized by their sale would be clear profit.

* * *

"In the period between 1889 and 1913 the London County Council exercised the power of excess condemnation in forty-five street proceedings. The aggregate gross cost of these improvements was \$44,246,125. Of this amount, \$23,511,740 was recouped through the sale of surplus lands, reducing the total net cost to \$20,734,385. In other words, the monies received from recoupment amounted to 53 per cent. of the total gross cost and to 113 per cent. of the total net cost.

"The per cent. recoupment obtained is proof that the power of excess taking has in the majority of improvements been exercised only incidentally for pecuniary profit. In thirty-one of the forty-five improvements effected

with excess condemnation between 1889 and 1913, the recoupment realized was less than 10 per cent. of the gross cost; in four between 11 and 20 per cent.; in two between 21 and 30 per cent.; in four between 31 and 40 per cent.; in two between 41 and 50 per cent., and in two over 50 per cent.

* * *

"The most notable instance of recouping in recent years is the Holborn-Strand, or Kingsway improvement. It was considered for many years by the Council, but was not undertaken until 1899. The total area of the property dealt with was 28 acres, of which 12¼ were dedicated to the public in the form of new streets, leaving 15¾ acres available for building sites. The length of the street is 1,100 yards, the width 100 feet. The total gross cost of the improvement was about \$24,330,000. Through a recoupment of \$20,459,000 the net cost has been reduced to \$3,871,000. The recoupment is, therefore, 84 per cent. of the total gross cost.

"The percentage of recoupment obtained in making improvements will vary with the amount of land taken in excess of that required, the general shape and size of the parcels, the character of the neighborhood through which the thoroughfare is cut and the honesty and good judgment with which the scheme is carried out."

* * *

Pretty good case for the wisdom of excess condemnation, don't you think?

THE STANDARDIZATION OF BUILDINGS.

"The standardization of buildings, especially factory and commercial buildings, is a probability of the future," according to an exchange. "Lecturers at Cornell University have claimed that standard sizes, standard details and standard materials will make possible not only exceedingly rapid construction and reduced costs to the owner, but also increased profits to the contractor. The idea of shipping to Europe after the war complete buildings in parts, made in America (much in the same way as we are shipping submarines in parts) is in the mind of certain firms of engineering contractors. The owner will select one of half a dozen standard buildings, the steel frame, floor slabs, steel sash and complete equipment for which are kept in stock, and will get 30 to 90-day deliveries of the completed structure. Even now, with modern efficiency methods, and without noticeable standardization, great hotels and office buildings are erected with almost unbelievable rapidity.

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If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



PERMITS FOR NEW BUILDINGS.

(Continued from page 255.)

Seventh and Medary streets. Stone, 3 stories.

B. Alxander (O), Hale Building. D. Hemwood (C), 1509 Wood street. Cost, \$3,500. Store, 1337 Vine street. Brick, 2 stories, 16x80 feet.

P. J. Killcullen (O), 3707 Midvale avenue. Cost, \$35,800. Fourteen dwellings, Upsal and Wayne avenue. Brick and stone, 2 stories, 16x42 feet.

Wm. J. Baltz (O), 709 Bulter street. Cost, \$4,000. Dwelling, 401 Ruscomb street. Brick, 2 stories. 16x57 feet.

Wm. H. Root, 2392 North Twenty-eighth st. J. J. Barrett (C), 2340 North Twenty-ninth street. Cost, \$1,400. Stone, 2 stories, 14x34 feet.

Walter Branwell (O), 5015 North Sixth st. Cost, \$2,000. Dwelling, Fifth and Ruscomb streets. Stone and brick, 3 stories, 18x52 feet.

Alterations and Additions

Green Point Club (O), Tenth and Olney avenue. H. P. Schneider (C), 3713 Old York road. Cost, \$2,000. Club house, Olney avenue and P. & R. RR.

J. Harrison (O), Sixteenth and Diamond streets. Cost, \$8,000. Garages, Broad and Loudon streets.

Leon C. Dexter (O), 6358 Sherwood road. M. W. Young (C), Overbrook, Pa. Cost, \$1,500. Garages, 6358 Sherwood road.

J. S. Kun (O), Lincoln Building. H. Reusswick (C), 137 North Tenth street. Cost, \$5,600. Dwellings, 1315-17 Pine street.

Pepper Estate (O), Philadelphia. Doyle & Co. (O), 1519 Sansom street. Cost, \$30,000. Manufacturing building, Fifth and Ludlow streets.

University of Penna. (O), Thirty-fourth and Spruce streets. F. Pettit Iron Work (C), 809 Master street. Cost, \$1,200. Class rooms, Thirty-sixth and Woodland avenue.

Wm. Lockhart (O), Howard and Lehigh streets. W. E. Wark Co. (C), 1737 Filbert street. Cost, \$800. Tank support, Howard and Lehigh avenue.

Wm. De Neicee (O), 433 North Simpson

street. Cost, \$400. Stable, 422 North Sixty-fourth street.

Trustees of University of Penna. (O), Thirty-fourth and Spruce streets. Stacy Reeves & Sons Co. (C), 2011 Market street. Cost, \$6,000. Nurses home, Thirty-fourth and Spruce streets.

Phila. Rubber Works Co. (O), Schuylkill avenue and Reed street. Wm. Sellers & Co., Inc., 1600 Hamilton street. Cost, \$600. Workshop and factory, on premises.

St. Martin Coal Co. (O), 7600 Germantown avenue. S. D. Parker (C), 5921 Baynton street. Cost, \$1,500. Storage, 7600 Germantown avenue.

Merchants Wholesale Grocers (O), 236 S. Front street. A. P. Fraim (C), 319 Market street. Cost, \$4,500. Store, 228-30 South Front street.

Cramp Shipbuilding Co. (O), Norris and Richmond streets. Hoffman Eng. Co. (C), Penna. Building. Cost, \$6,000. Offices, Richmond and Norris streets.

C. D. Williamson (O), 1824 West Norris street. Stewart Bros. (C), 2626 North Orkey street. Cost, \$2,275. Dwelling, Eighteenth and Norris streets.

G. Gunsser (O), 3646 North Seventeenth street. H. Dokenwaded (C), 1127 Ontario street. Cost, \$550. Dwelling, 3646 North Seventh street.

F. Snedaker (O), Ninth and Tioga streets. H. Dokenwaded (C), 1127 Ontario street. Cost, \$500. Storage, Ninth and Tioga streets.

A. C. G. Allison (O), 215 Pelham road. McClintock & Weaver (C), 24 West Phil-Ellena street. Cost, \$1,000. Dwelling, 215 Pelham road.

Max Wincker (O), Eighteenth and Federal streets. P. Savor (C), 718 Snyder avenue. Cost, \$3,500. Store, Nineteenth and Federal streets.

John Illingworth Steel Co. (O), Tacony and Lewis streets. F. T. Mercer (C), 1706 Delancy street. Cost, \$7,000. Manufacturing building, Tacony and Lewis streets.

Geo. D. Fisher (C), 1223 North Twenty-ninth street. H. P. Schneider (C), 3713 York road. Cost, \$1,000. Apartment house, Twenty-ninth and Stiles streets.

C. McDermott (O), Eleventh and Vine sts. J. Welsh (C), 138 North Seventeenth street. Cost, \$900. Store, 250 North Eleventh street.

B. U. Shnone (O), Wayne avenue and Mannheim streets. Samuel Schultz (C), 030 North Sixth street. Cost, \$2,950. Store and dwelling, 5048 Wayne avenue.

A. E. Hughes (O), 2442 Bryn Mawr avenue. Frank G. Stewart (C), 1619 Sansom street. Cost, \$2,500. Dwelling, 2442 Bryn Mawr avenue.

Thos. H. Hocking (O), 5349 Chestnut street. R. Weiner (C), 5326 Market street. Cost, \$900. Dwelling, 5349 Chestnut street.

Dungan Hood Co. (O), American and Sprague streets. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$500. Manufacturing building, Bodine and Susquehanna avenue.

Jas. Murphy (O), Twelfth and Duncanno streets. Conneen Const. Co. (O), Commercial Trust Building. Cost, \$600. Garage, Twelfth and Duncannon streets.

Harry Clox (O), 50 North Paxon street. Robert K. Grice (C), 255 North Fifty-second street. Cost, \$400. Garage, 50 North Paxon street.

Gertrude Daues (O), 1816 Wallace street. Erwin S. English (C), 636 North Eighteenth street. Cost, \$700. Dwelling, 1816 Wallace street.

Horn & Hardart Bkg. Co. (O), 202 South Tenth street. Stuckert & Co. (C), 1420 Chestnut street. Cost, \$3,500. Bakery, 210 South Tenth street.

Chas. Bedlow (O), 234 North Sixty-fifth street. Mower Bros. (C), Merion, Pa. Cost,

\$700. Dwelling, 234 North Sixty-fifth street.

G. A. Sims (O), 2831 Pratt street. Lewis Ahlers, Jr. (C), 4435 Salmon street. Cost, \$750. Shop, Orthodox and Pierce streets.

J. Smith (O), 3326 North Seventeenth st. M. J. Bennamy (C), 3042 York street. Cost, \$1,210. Store and dwelling, Twenty-eighth and York streets.

L. L. Rose (O), 919 West Girard avenue. E. C. Durrell (C), 1713 North Twenty-fourth street. Cost, \$2,100. Store, 919 West Girard avenue.

Geo. W. Kugler & Sons Co. (O), 921 New Market street. Burd P. Evans Co. (C), Thirteenth and Wallace streets. Cost, \$600. Factory, 921 New Market street.

W. Fisher (C), 3621 North Fifth street. Cost, \$8,800. Four dwellings, 4728-32 North Carlisle street.

City of Phila. (O), Peoples Bros. (C), Commercial Trust Building. Cost, \$37,000. Power house, Byberry, Phila.

Winfield Scott (O), 1011 Fillmore street. J. Fotheringham (C), 3367 Frankford avenue. Cost, \$400. Garage, Fillmore and Ruthland streets.

Lewis Brinton (O), 1913 Green street. C. A. Le Gates (C), 322 North Gross street. Cost, \$4,600. Dwelling and rest room, 1903 Green street.

U. G. I. (O), Broad and Arch streets. Cost, \$4,000. Tank supports, Tioga and Carbon streets.

Harry Welsh (O), Fifth and Allegheny avenue. H. Brocklehurst (C), 512 Norris street. Cost, \$1,500. Store, Fifth and Allegheny avenue.

Miss Balirstine (O), 231 South Forty-second street. T. Killough (C), 611 South Forty-second street. Cost, \$800. Dwelling, 231 S. Forty-second street.

Orlando Grease Estate (O). Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$5,000. Factory, Wayne and Berkley streets.

D. Boaioff (O), 427 Green street. E. Masiah (C), 1010 South street. Cost, \$700. Store and dwelling, 1866 North Eighth street.

Gosseman & Weisman (O), 1008 North Second street. I. Donde (C), 855 North Fifth street. Cost, \$675. Store and dwelling, Franklin and Jefferson streets.

Joe Fleet (O), 610 South Third street. Max Rudberg (C), 250 Monroe street. Cost, \$600. Hall, 610 South Third street.

J. W. Koons (O), 817 Erie avenue. G. A. Leister (C), 1808 Harrison street. Cost, \$800. Garage, 3846 North Seventh street.

D. Fante & Sons (O), 1006 South Ninth st. Cost, \$600. Storage, 926 Carpenter street.

G. L. Rodenhauser (O), 4715 North Broad street. M. Meister (C), 3631 North Fifth st. Cost, \$1,425. Garage, 4717 North Broad street.

Berstein (O), 426 Carpenter street. J. H. McGlatchey (C), Land Title Building. Cost, \$500. Garage, 426 Carpenter street.

Mrs. C. H. Mein (O), 3900 Spruce street. J. Frank Grant (C), 1625 North Thirteenth street. Cost, \$550. Dwelling, Thirty-ninth and Spruce streets.

W. J. Robertson (O), Sixty-fifth avenue and Twenty-first street. A. K. Schock (C), Chestnut Hill, Pa. Cost, \$1,400. Factory, Sixty-fifth avenue and Twenty-first street.

W. Hageman (O), 4058 Lancaster avenue. J. M. Frey (C), 5534 Cambridge street. Cost, \$450. Store and dwelling, 4058 Lancaster avenue.

Geo. Stubblebine (O), 3556 Queen lane. G. Steinle (C), 3443 Sunnyside avenue. Cost, \$800. Wagon house, 3556 Queen street.

Phila. Electric Co. (O), Tenth and Chestnut streets. H. U. Boureau Co. (C), 3302 Ludlow street. Cost, \$5,000. Brick, Christian and Schuylkill avenue.

Louis Signe (O), 1929 Diamond street. Lewis Smith (C), 1935 North Twentieth st. Cost, \$600. Dwelling, 3915-19 Chany street.

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C There is nothing more dignified or elegant than our large Weatherproof Fiber Cardboard Signs. Easy to carry, quick to place, not greasy, more serviceable than wood or iron, impervious to all weather conditions and cost from 8 to 20 cents apiece—in lots of one hundred.

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SERVICES OF AN ARCHITECT

The thinking public is awake to the value of the services which an architect is capable of rendering, and recognizes that his province bears the same relation to the owner as that of a specialist in medicine or surgery to his patient. In countless ways the expert advice and suggestions of an experienced architect will be found to have substantial value, and his worth, in this respect, cannot be economically ignored by anyone who has determined to build, whether it be a bungalow or a great commercial or monumental project.

When a location is in contemplation, or has been determined upon, the architect selected should be made acquainted with the owner's ideas and conception of what the building should be, and its character and purpose. The exigencies of the site should then be studied, and the climate, outlook, grades, drainage and other essential factors carefully considered, as their influences make for the success or non-success of the completed building.

This will enable the architect to obtain a knowledge of the essential requirements, to discuss any fallacies, and to sketch out practical and comprehensive plans for the interior arrangement and exterior design, organized and adapted to the real need and precise conditions that underlie the problem. These preliminary studies may offer several solutions, each advantageous from one point or another, which may be intelligently discussed with the client and lead to definite conclusions.

From these sketches and studies showing the general plan and design of the building contemplated, with their accompanying synopsis of the materials of construction, fixtures and finish, close approximate estimates may be obtained from contractors. These estimates afford a basis for determining the future possibilities of the project and enable its further development by the preparation of the final working drawings, which involve an accurate layout of all the floors, all the elevations, both exterior and interior, also typical sections and details of the methods of construction. The working drawings must be so complete that a contractor will know exactly how and of what material every part of the building is to be constructed, thereby forestalling any guessing, which so frequently is costly to the owner.

The working drawings are accompanied

by specifications, taking up in the form of a description what it is impossible to express on the drawings, and stating therein with clearness and precision the grades and character of the work, materials, ingredients, appliances and fixtures required to be used and installed. These specifications also show how the contractor shall do certain portions of the work and co-operate with the various sub-contractors; they also state the indemnity bonds, insurance, etc., required; and, in general, form a complete thesis of the building to be constructed, leaving no doubt in the mind of the contractor as to the exact amount and character of the work called for. This assures that all estimates received shall have been intelligently submitted, and that, when the contract is ultimately awarded, the contractor can plan its progress with a definite knowledge of the materials and requirements, the work being thus carried out with greater expedition and consequent economy.

When it is decided to begin work, a legal, binding and definite contract must be prepared by the architect, in which the requirements on both sides are clearly set forth; the "instruments of service," in the form of specific and technically intelligible drawings and specifications, being made a cohesive part of this contract. Definite terms of payment, time of completion, and requirements in connection with lien laws must be provided for. There must also be provision in the contract for fire, lightning, casualty, compensation and contingency insurance, also for necessary bonds in connection with completion, and for compliance with local, municipal or State requirements, departmental directions or rulings, ordinances and acts.

After the contract has been awarded, the architect should be placed in full charge so as to enable him to direct and observe the proper laying out of the work and to see that plans and specifications are conformed to. He must also make proper disposal of the problems that arise while the building is in progress, passing on all technical questions and furnishing from time to time explanatory detail drawings of the various parts of construction, ornamentation, fixtures, arrangements, etc., as required. He issues certificates of payment as they fall due under the terms of the contract and also becomes the arbiter in all questions of dispute.

It is only by following these steps, in their

logical, natural sequence from the very conception of the building to its completion that an owner can obtain the best results with a minimum of worry and a maximum of economy.

In order to construct a building successfully, it is necessary to anticipate each step in the progress of its development and to outline a complete system for its erection and to control the work until the building is turned over completed to the owner.

Full architectural services, rendered by a competent man, will save many times his comparatively small compensation. The instruments of service, the plans and specifications, are the fundamental elements in the contract, and to produce them requires thought, experience and learning, also familiarity with the qualities, properties, peculiarities, weight and strength of materials, the weights of the structure and the relationship of the various operations to be performed by the many trades in the building.—C. E. Schermerhorn, A. I. A., in "Architecture and Building."

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

Be a booster. Boost business, boost the trade, boost your own goods. And don't overlook the fact that the greatest medium ever devised for the boosting process is printer's ink.

The world is just chock full of men who failed because they expected buyers to romp right in and ask for goods. Modern business spends big money simply to get the buyer interested knowing that sales follow.

Proposals

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As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 31, 1916.—Sealed proposals will be opened in this office at 3 p. m., May 15, 1916, for the construction complete of the United States post office and custom-house at Newport, R. I. Drawings and specifications may be obtained from the custodian of site at Newport, R. I., or at this office, in the discretion of the Supervising Architect. Jos. A. Wetmore, Acting Supervising Architect.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**H. W. Johns-Manville Company recently honored a group of men who have been instrumental in the upbuilding of the concern and in the direction of its policies, by making them directors at the annual meeting of the stockholders. The following men were elected to the Board of Directors: L. R. Hoff, W. R. Seigle, T. T. Lyman, H. R. Trainer, Harry Gillett, F. B. Smith, J. E. Meek, H. R. Wardell and J. W. Perry.

**The New York State Association of the American Institute of Architects held its annual convention in Albany, February 24. Delegates representing the various chapters throughout the State were present. The New York delegates were Goodhue Livingston, Kenneth M. Murchison, Austin W. Lord, Arnold W. Brunner, Thomas Hastings, J. H. Freedlander, E. L. Tilton, William M. Kendall, Donn Barber, F. L. Ackerman, J. Otis Post, L. C. Holden, Grosvenor Atterbury, Owen Brainard, William R. Mead, Henry Bacon, William Emerson, Lawrence F. Peck, D. E. Waid, William A. Boring, A. B. Trowbridge, Chester H. Aldrich, Lionel Moses, Egerton Swartout, Louis Ayres, Richard H. Hunt, Charles I. Berg, Lloyd Warren, Stowe Phelps, Charles Ewing, Bertram G. Goodhue, B. W. Morris, George B. Ford and Robert D. Kohn. The Brooklyn delegates were William P. Bannister, Carroll H. Pratt, J. T. Hanemann, George H. Streeton, Alexander Mackintosh, Woodruff Leeming, Stephen W. Dodge, Frank H. Quinby, William A. Parfitt and Frank J. Helmle.

The following officers were elected: Frank H. Quinby, of Brooklyn, president; E. S. Gordon, of Rochester, vice-president, and Edward L. Tilton, of New York, secretary.

The convention adopted resolutions protesting against the Government heat, light and power plant, the erection of which has been started on the Potomac River, near the park in Washington, D. C. The resolutions in part are as follows:

"The New York State Association of Architects, comprising the four Chapters of the American Institute of Architects, within the State of New York, hereby registers an emphatic protest against the proposed erection of a power station on the selected site near the Potomac River, in the City of Washington, and recommends that before the work further proceeds, the National Art Commission should make a thorough investigation into the matter, obtaining competent advice and give adequate consideration to the sites more appropriately located which will avoid offending the artistic sense of the people of the nation.

"Be it further resolved that: Copies of this protest be sent to the Legislative Committees now having the matter under consideration and to the press and that the constituent members of this Association employ every reasonable effort to emphasize the importance of radical action to bring about the selection of a more appropriate site."

The association will keep in close touch with the situation and send a delegation to Washington to protest against the site as selected for the power station. A committee was appointed to prepare a basic building code for New York State covering the construction of buildings other than factories.

**The losses by fire in the United States and Canada during the year 1915, as compiled from the records of the "Journal of Commerce," aggregated \$182,836,200, as compared with \$235,591,350 in 1914. The fire loss record for 1915 is the smallest the country has enjoyed since 1905, when the figures recorded were \$175,193,800.

**At the recent annual meeting of the Master Builders' and Contractors' Exchange, Reading, Pa., held in the rooms of the Chamber of Commerce, officers for the ensuing year were elected as follows: President, D. Elmer Dampman; vice-president, David E. Gring; treasurer, Daniel H. Hunter; secretary, Howard C. Faust. The secretary reported that most of the contractors and builders in Reading are associated with the Exchange and plans are being made to bring in all those now outside the organization.

CEMENT RATES FROM NAZARETH REDUCED.

The Public Service Commission has handed down a decision ordering the railroads carrying cement from what is known as the Nazareth cement district to reduce the rate from Nazareth to Easton, Bethlehem and South Bethlehem from 63 cents to 53 cents per ton.

A complaint was filed with the Commission by Dallett H. Wilson, of Bethlehem, attorney for the cement companies, to equalize the rate from what is known as the Nazareth cement district with the rates in existence from points on the Ironton Railroad and also points in the New Jersey district. At the time the complaint was filed the rate from the Nazareth district was 63 cents, as against the rate of 53 cents from the Ironton or Lehigh and the New Jersey districts.

HOME BUILDERS TO HAVE STATE AID.

Home builders may now have State aid. This is the plan of a new and unparalleled service which the Minnesota State Art Commission has undertaken. It is a radical departure from the usual channels of most art commissions which are supposed to dabble in pictures, statues and pretty things. The State Art Commission of Minnesota has turned the tables. It has taken a different point of view. It has said, "Most States help hogs and hay, why not homes?" It argues that art is a bigger and more vital thing than just pictures, that it relates to homes and home building.

If the chimney smokes or the plumbing balks, or the furnace fumes, all you have to do is to write the Art Commission. This appears a long way from the duties of an artist, but it is merely a step in the development of a great State-wide campaign which the State Art Commission has undertaken to help home builders.

One million plans for model farm houses have been sent free in booklet form from the offices of the commission in the past twenty-four months. No other State Government has as yet undertaken such a program. These plans were all given by the best architects in the State. It was their contribution to help the small home builder secure authentic and professional service practically free. The Art Commission has been deluged with requests for not only plans, but information about all sorts of home building material. People want to know what kind of paint, cement, furnace to use, and a thousand other similar questions. The Minnesota Chapter of the American Institute of Architects has undertaken to render this service free through the Art Commission as an outlet. It is known as the architectural and allied arts service department. It is open to the people of the State—in fact, is extended to any one living anywhere who is interested in securing authentic information about plans, building materials and supplies.

The commission supplies the plans for both model farm and village houses at just the cost of making the blue prints. It is printing fifty model village houses that are designed to cost \$3,000 each. These are beautiful and attractive small homes and have been given by the architects. It is not a profit-making venture. It is a State service in the interest of better homes. It is a service that people can have for the asking and it is making history for an art commission that has the courage to look a hard, matter-of-fact problem in the face and meet it by giving this service. A letter addressed to the Minnesota State Art Commission, Old Capitol, St. Paul, or 504 Essex Building, Minneapolis, will bring complete information about this new service which is intended to help the small home builder.

"Do what you are paid to do—and then some—it's the then-some that gets your salary raised."—James B. Miller.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Automobiles.**
 Eastern Motors Corporation,
 1634 Chestnut st., Phila.
- Blue Prints.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
 Russell and Keffer, Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
- Cement.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
- Cement Colors.**
 Samuel H. French & Co., 4th and Callowhill sts.
- Columns (Metal).**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Concrete Construction.**
 Turner Concrete Steel Co.1715 Sansom st., Phila.
- Dampproofing.**
 The Aquabar Co...Real Estate Trust Bldg., Phila.
 The Barrett Co.....New York City and Phila.
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- Door Hangers.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
 Richards-Wilcox Mfg. Co....50 N. 6th st., Phila.
- Drawing Materials.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Electrical Specialties.**
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.
- Electrical Construction.**
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.
- Engineers' Supplies.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
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 Anchor Post Iron Works,
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- Fireproofing.**
 Builders' Steel Products Co.,
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 Pearce Fireproof Co.....1345 Arch st., Phila.
- Flooring.**
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 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Furnaces.**
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
 Borden Stove Co.....118 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
- Gas and Gas Appliances.**
 United Gas Improvement Co.,
 Broad and Arch sts., Phila.
- Granite.**
 Holmesburg Granite Co.,
 Commercial Trust Bldg., Phila.
- Heating Contractors.**
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.
- Heating Boilers.**
 H. B. Smith.....1225 Arch st., Phila.
- Insurance.**
 Harris J. Latta.....Penna. Bldg., Phila.
- Iron Work (Structural and Ornamental).**
 James G. Madden...Franklin Bank Bldg., Phila.
- Ladders.**
 T. C. Krewson.....801 Master st., Phila., Pa.
- Lockers.**
 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.
- Lumber.**
 Currie & Campbell...Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
 Howard Ketcham.....3d and Girard ave., Phila.
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
- Marble Mosaic.**
 Belfi Bros. & Co.....20-22 S. 19th st., Phila.
- Metal Lath.**
 Builders' Steel Products Co.,
 131-133 S. 24th st., Phila.
- N. J. Wire Cloth Co.,**
 Trenton, N. J., and 627 Market st., Phila.
- Pearce Fireproof Co.....1345 Arch st., Phila.**
- Mill Supplies.**
 The Fairbanks Co.....7th and Arch sts., Phila.
- Mill Work.**
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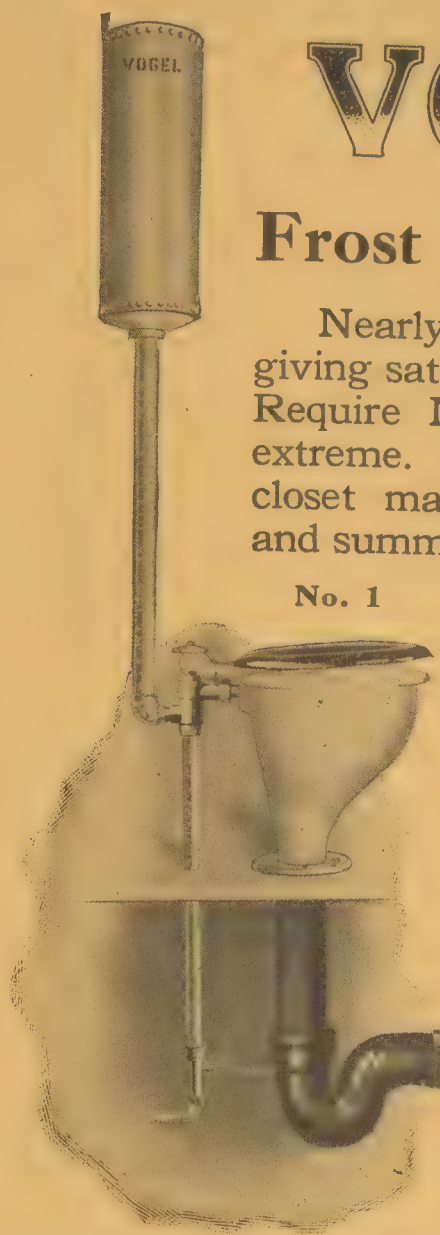
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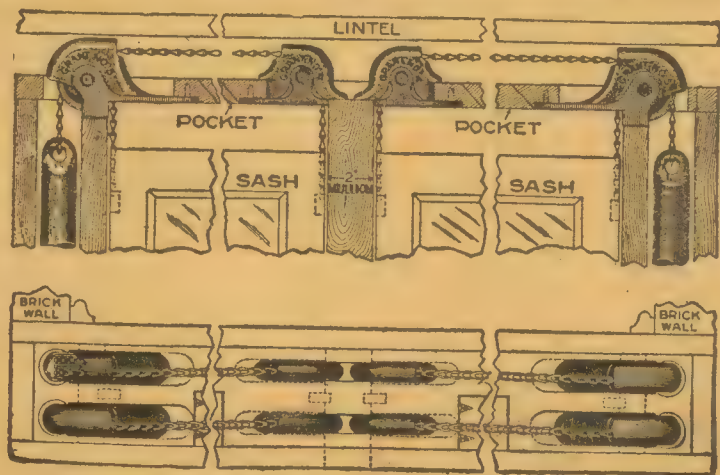
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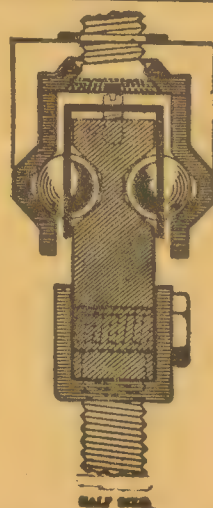
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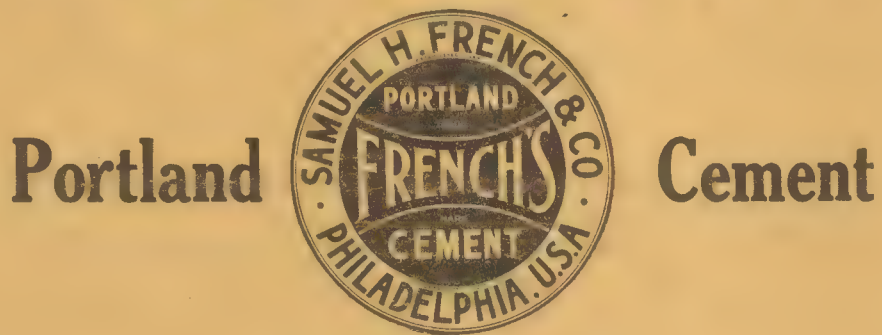
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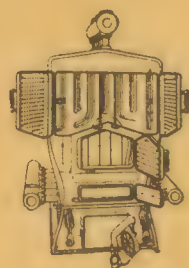
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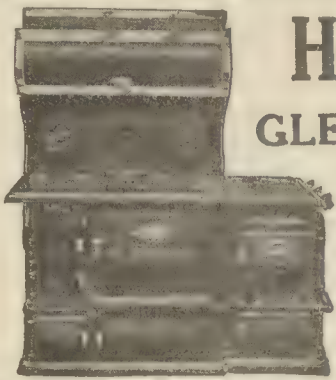
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Vol. XXXI., No. 16.

PHILADELPHIA, WEDNESDAY, APRIL 19, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Factory and Loft Building (add.), 1512 and 1514 Callowhill street. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Geo. H. Sherwood & Son, on premises. Brick, 4 stories, 40x100 feet, slag roof, steam heating, electric lighting. Architects taking bids, due April 15th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Lam Building Co., 1001 Wood street; I. T. Shoemaker, 1309 Walnut street; Freund-Siedenbach Co., Bulletin Building; McCloskey & Bahls, Hale Building; D. Henwood, 1500 Wood street; H. Reunswick, 137 North Tenth street, Philadelphia.

Residences (20), Eighth and Ninth streets and Northeast Boulevard. Architect, private plans. Owners, Home Development Co., West End Trust Building, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, steam heating, combination lighting, hardwood floors. Owners are taking sub-bids.

Residence and Garage, Stenton avenue, Philadelphia, \$10,000. Architects, Zantinger, Borie & Henry, Fifteenth and Walnut streets. Owner, Percival Drayton, 34 W. Gravers lane. Frame, 2½ stories, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects will take bids in one week.

Parochial School (alt. and add.), Twenty-third and Mifflin streets, Philadelphia. Architect, George I. O. Lovatt, 418 Walnut street, Philadelphia. Owners, St. Edmund's R. C. Church, Rev. John J. Greensill, 1909 South Twenty-third street, Philadelphia. Granite, 2 stories, steam heating, electric lighting, tile work, slate blackboards. Plans about completed. Architect will take bids in a few days.

Factory (add.), 113 and 115 North Broad street, Philadelphia. Architect, M. Haupt, Drexel Building, Philadelphia. Owners, Louis Brody & Co., 121 North Second street, Philadelphia. Brick, 5 stories, 52x81 feet, slag roof, ventilators, fire doors, metal sash, yellow pine floors, (plumbing, heating, electric work, elevator and sprinklers reserved). Architect has received bids.

Residences and Garages (29), Fifty-ninth and Locust streets, Philadelphia. Architect,

M. Haupt, Drexel Building, Philadelphia. Owners, name withheld. Brick, 2 stories, 15x30 feet each, slag and tin roofs, hot water heating, electric lighting, tile work, parquet floors. Architect is subletting all contracts.

Factory and Garage, 3501-03-05 Market st., Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner, Edwin D. Kirk, on premises. Brick, 2 stories, 40x200 feet, slag roof, electric lighting, steam heating, reinforced concrete and cement floors, fireproof. Plans in progress. Will take bids in about one week.

Sunday School, southwest corner Twenty-ninth and Lehigh avenue. Architect, Armando D. Alcantara, 2962 North Bailey street, Philadelphia. Owners, Calvary Reformed Church, Rev. F. H. Fisher, 2638 North Twenty-ninth street. Stone and brick, 2½ stories, 40x80 feet, slate roof, steam heating, electric lighting, tile work, dampproofing. Architect has received bids.

Garage, 1520 and 1522 Unity street, Philadelphia. Architect, private plans. Owners, Frankford Grocery Co., Penn and Unity sts., Philadelphia. Brick, 1 story, 76x38 feet, slag roof, electric lighting, cement floors, (gasoline storage system reserved). Owners have received bids.

Factory (add.), Nineteenth and Allegheny avenue, \$250,000. Architects and builders, Wm. Steele & Sons Co., 1600 Arch street. Owners, Electric Storage Battery Co., on premises. Reinforced concrete and brick, 6 stories, slag roof, steam heating, electric lighting, metal sash, elevators. Plans in progress. Builders will be ready for sub-bids in about one month.

Club House (alts.), 1619 and 1621 South street, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, O. V. Catto Lodge No. 20, I. B. P. O. E. W., on premises. Slag roof, electric lighting, tile work, metal lath, (heating reserved). Architect has received bids.

Store and Dwelling, 2953 Richmond street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets. Owner, N. Kaplan, 2955 Richmond street, Philadelphia. Brick and stone, 2 stories, 18x60 feet, slag roof, hot

water heating, electric lighting, hardwood floors, tile and marble work, metal ceilings. Plans in progress. Owner will take sub-bids in about ten days.

Residence, Lincoln Drive, Germantown. Architects, Van Voorhees & Harvey, Hale Building. Owner, Dr. Josiah T. Bunting, 6410 Germantown avenue. Stone, 2½ stories, 35x50 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Plans completed. Architects taking bids.

Store and Apartment, Germantown avenue and Cumberland street. Architects, Koelle Speth Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, Henry Breyer, Ninth and Cumberland streets, Philadelphia. Brick, 2 stories, slag roof, steam heating, electric lighting. Architects have received bids.

Carpet Factory, Butler and H street, Philadelphia. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owner, Charles P. Cochrane, Kensington avenue and Butler street. Reinforced concrete and brick, 2 stories, slag roof, maple floors, iron stairs, metal sash (heating, electric work and sprinklers reserved). Builders, Wm. Steele & Sons Co., 1600 Arch street, taking sub-bids, due April 19th.

Chapel and Sunday School, Tenth street and Northeast Boulevard. Architects, Ralph B. Bencker and Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, First Christian Church, Rev. I. S. Chenoweth, 1418 Euclid street, Philadelphia. Stone, 1 and 2 stories, 130x150 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about three weeks.

Bank and Office Building, 20 and 22 South Fifteenth street, Philadelphia. Architects, De Armond, Ashmead and Bickley, 1529 Walnut street, Philadelphia. Engineers, The Schofield Engineering Co., Commercial Trust Building. Owners, The Franklin Trust Co., Fifteenth and Market streets, Philadelphia. Brick, stone and steel, fireproof, 10 stories. Details not decided. Architects selected. Plans will be started at once and bids will be taken in about three months.

Residences (15), Logan, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street,

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Warehouse, 124 and 126 North Second
street, Philadelphia. Engineers, Frank C.
Roberts & Co., Real Estate Trust Building.
Owners, C. B. Porter Co., 128 North Second
street, Philadelphia. Reinforced concrete,
brick and terra cotta, 5 stories, 25x153 feet,
slag roof, maple floors, electric elevator, safety
treads, metal sash, fire doors (heating and
electric work reserved). Engineers taking

bids, due April 21st. The following are fig-
uring: J. Morris Daniels, 252 South Juniper
street; Doyle & Co., 1 158 Sansom street; Stew-
art Bros., 2526 North Orkney street; Metzger
& Fisher, Denckla Building; H. E. Baton,
Twelfth and Sansom streets, all of Philadel-
phia.

Parochial School, Belgrade and Westmore
streets and Madison avenue. Architects, Bal-
linger & Perrot, Seventeenth and Arch streets,
Philadelphia. Owners, Church of the Nativ-
ity, Monsignor J. P. Turner, on premises.
Brick, stone and steel, 4 stories, 125x170
feet, slag roof, electric lighting. Plans in
progress.

Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.**

Twin Residences (4), St. Martins, Philadel-
phia. Architects, Duhring, Okie & Ziegler,
Bailey Building, Philadelphia. Owner, Dr.
George Woodward, North American Building.
Stone, 2 1/2 stories, 35x65 feet each, shingle
roof, tile work, (heating, plumbing and elec-
tric work separate bids). Contract awarded
to Pringle Borthwick, 8018 Germantown ave-
nue.

Hospital (alts.), Seventeenth and Summer
streets. Architects, Bissell & Sinkler, Bailey
Building, Philadelphia. Owners, Orthopaedic
Hospital, on premises. Consists of fitting up
first floor for offices, dining rooms etc., plum-
bing, heating, electric work, plastering, paint-
ing, etc. Contract awarded to H. H. Burrell,
206 South Quince street, Philadelphia.

Factory Building, Fifty-fourth and West-
minster avenue, \$20,000. Engineer, H. C. Ei-
senbise, Pennsylvania Building, Philadel-
phia. Owners, Whiteley & Collier, Fifty-fifth
and Pennsgrove street. Brick, 1 story, 92x162
feet, slag roof, (heating, plumbing and elec-
tric work reserved). Contract awarded to
Smith-Hardican Co., 1606 Cherry street.

Factory (rebuilding), Thirty-seventh and
Tasker streets, Philadelphia. Engineers, Day
& Zimmerman, 611 Chestnut street, Philadel-

phia. Owners, Nitrogenous Chemical Co.,
West End Trust Building, Philadelphia. Brick,
steel and reinforced concrete, 2 stories, 23x98
feet, Barretts roof, metal sash, fire doors.
Contract awarded to James C. Driscoll, 1524
Chestnut street, Philadelphia.

Pump House, Seventh and Lehigh avenue,
Philadelphia. Architects, Ballinger & Perrot,
Seventeenth and Arch streets, Philadelphia.
Owners, Hardwick & Magee Co., on premises.
Reinforced concrete, waterproofing, fire doors.
Contract awarded to H. E. Baton, Twelfth and
Sansom streets, Philadelphia.

Store Building (remodeling), 837 Market
street, \$10,000. Architect, private plans.
Owners, John Dobson Estate, 809 Chestnut
street, Philadelphia. Brick, 4 stories, slag
roof, steam heating, electric light. Contract
awarded to Harry R. Rust, 41 North Hutchin-
son street.

Residence and Garage, Abington street and
Lincoln Drive. Architect, Robert Rodes Mc-
Goodwin, 1422 Walnut street, Philadelphia.
Owner, Dr. Geo. Woodward, North American
Building, Philadelphia. Stone, 2 1/2 stories,
shingle roof, electric lighting, tile work, pine
floors, (heating reserved). Contract awarded

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Laboratory Building, York road, Philadelphia, \$9,000. Architects, Magainer & Potter, 603 Chestnut street, Philadelphia. Owners, Jewish Hospital, York road and Tabor street. Brick and terra cotta, additional story on present 2 stories; building, 51x31 feet, slate roof, metal lath, yellow pine floors, damp-proofing, (heating and electric work reserved). Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Paint Factory (alt. and add.), 230 to 324 North Twelfth street, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Denny, Hilborn & Rosenbach, on premises. Brick and reinforced concrete, 5 stories, 60x90 feet, slag roof, steam heating, electric lighting. Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Warehouse, Wharton and Taylor streets, Philadelphia. Architect, John E. Youngberg,

30 North Dearborn street, Chicago, Ill. Owners, American Radiator Co., Chicago, Ill., and 115 North Broad street. Brick and reinforced concrete, 1 story, 150x120 feet, asbestos roof, metal lath, wood blocks, electric lighting, electric elevator, fire doors, roof ventilators, steel sash. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

Offices (alts.), 234 and 236 Walnut street, Philadelphia. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owners, Insurance Co. of North America, on premises. Tin roof, metal lath, office partitions, metal casements, maple floors, (heating, plumbing and electric work reserved). Contract awarded to James H. Wells, Hale Building, Philadelphia.

Factory Building (rear addition), 51 North Third street, \$6,000. Architect, private plans. Owners, A. S. Kreider Co., 41 North Third street, Philadelphia. Brick, 3 stories, 26x55 feet, slag roof, heating extension. Contract awarded to F. E. Wallace, 1220 Chancellor

PENNSYLVANIA Construction News

Twin Residence, York, Pa., \$10,000. Architects, Germell & Billmeyer, York, Pa. Owner, Wm. Sprankle, Nashville, Pa. Brick, 2½ stories, 48x65 feet, slate and slag roof, hot water heating, combination lighting, hardwood and tile floors. Plans in progress.

Sunday School, Red Lion, Pa., \$15,000. Architects, Gemmell & Billmeyer, York, Pa. Owners, Bethany United Brethern Church, Rev. Horn, Red Lion. Brick and steel, 3 stories, 65x75 feet, slag roof, steam heating, electric lighting, maple floors, dampproofing. Plans in progress.

Apartment House, Harrisburg, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, J. H. Patton, 1934 North Third street, Harrisburg, Pa. Brick and steel, reinforced concrete, 5 stories, tile, slate and tin roof, steam or vapor heating, electric lighting, tile and hardwood floors, waterproofing and dampproofing, elevator. Plans in progress.

Residence, York, Pa., \$50,000. Architect, Robert A. Stair, York, Pa. Owner, Dr. W. S. Eisenhart, York, Pa. Hollow tile and stucco, 2½ stories, 34x70 feet, slate or tile roof, hot water or vapor heating, electric lighting, hardwood and tile floors. Plans about completed. Will take bids in about ten days.

Bank Building, Carlisle, Pa. Architect, C.

Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Carlisle Trust Co., Carlisle, Pa. Stone and brick, 1 story. Plans in progress. Details not yet decided.

Hotel (alt.), North Queen street, Lancaster, Pa. Architect, J. B. Harman, 48 North Queen street, Harrisburg, Pa. Owner, John W. Eckenrode, Lancaster, Pa. Brick, 2½ stories, 28x6 feet, hot water heating, electric lighting. Owner is sub-letting.

Residence, Eden, Pa., \$3,000. Architect, H. M. Bartholomew, 39 E. Grant street, Lancaster. Owner, C. A. B. Zook, Lancaster, Pa. Brick, 2½ stories, 0x0 feet, shingle roof, hot air heating, electric lighting. Owner will take sub-bids.

Factory (add.), Kingston, Pa. Architects, Sturdevant & Peggi, Coal Exchange Building, Wilkes Barre. Owners, The Adder Machine Co., Kingston, Pa. Brick and reinforced concrete, 2 stories, 115x96 feet, slag roof, steel sash, fire doors, safety treads, (sprinklers, heating and electric work reserved). Architects have received bids.

Residence, Merion, Pa., \$20,000. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Stone and plaster, 2½ stories, 28x72 feet, tile roof, hot water heating, electric lighting, tile work, oak floors. Owner is sub-letting all concrete.

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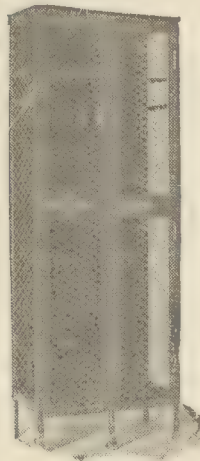
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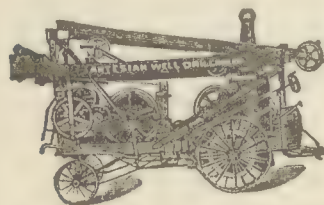
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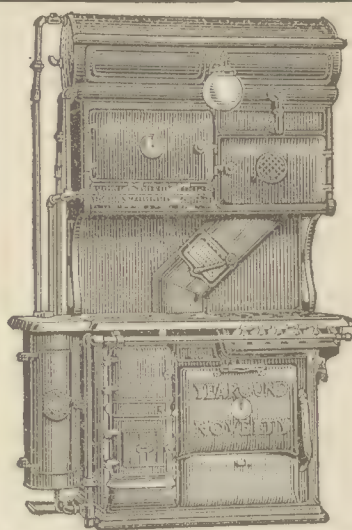
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Residences (4), Ardmore, Pa. Architects, Stearns & Castor, Stephen Girdard Building, Philadelphia. Owners, Land Improvement Co., care architects. Stone, hollow tile and plaster, 2½ stories, shingle roof, steam heating, electric lighting, yellow pine floors, (weatherstrips reserved). Architects have received bids.

Church and Parsonage, Williamsport, Pa. Architect, M. T. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Newberry M. E. Church, Williamsport, Pa. Brick and steel, 1½ and 2½ stories, 58x90 feet and 25x60 feet, slate and tin roofs, steam heating, combination lighting, cork tile and hardwood floors, dampproofing. Ready for bids April 17th.

Garage, Cranberry and Court avenue, Harrisburg, Pa., \$6,000. Architect, Geo. H. Grove, 416 Walnut street, Harrisburg, Pa. Owner, Harry Hursh, Harrisburg, Pa. Brick and steel, 2 stories, 54x100 feet, slag roof, steam heating, electric lighting, cement floors. Plans in progress.

Motor Sales Building, 214 N. Duke street, Lancaster, Pa., \$15,000. Architect, J. B. Harman, 48 N. Queen street, Harrisburg, Pa. Owner, Frank Sprocher, Lancaster, Pa. Reinforced concrete and brick and terra cotta, 3½ stories, 30x95 feet, composition roof, hot water heating, electric lighting, reinforced concrete. Plans ready for bids April 21st.

Residence, Lancaster, Pa., \$7,000. Architect, Frank J. Everts, Woodworth Building, Lancaster, Pa. Owner, name withheld. Hollow tile and stucco, 2½ stories, 40x30 feet, slate roof, hot water heating, electric lighting, hardwood and tile floors. Plans in progress.

Apartments (alt. and add.), E. King street, Lancaster, \$5,000. Architect, H. M. Bartholomew, 39 E. Grant street, Lancaster, Pa. Owner, Miss Serano Snyder, Lancaster, Pa. Brick, 2 stories, 20x80 feet, tin roof, hot water heating, electric lighting. Plans in progress.

Apartment (alt. and add.), Lancaster, Pa., \$8,000. Architect, Frank J. Everts, Woodworth Building, Lancaster, Pa. Owner, name withheld. Brick, 3 stories, 38x65 feet, tin roof, steam heating, electric lighting, hardwood floors. Plans in progress.

Bungalows (12), Harrisburg, Pa., \$60,000. Architect, Geo. H. Grove, 416 Walnut street, Harrisburg, Pa. Owner, Lewis M. Neiffer, Harrisburg, Pa. Limestone, brick and stucco, 1½ stories, 36x48 feet, slate roof, steam heating, electric lighting, hardwood and tile floors. Owner is sub-letting all contracts.

Picture Theatre, N. Queen street, Lancaster, Pa., \$35,000. Architect, J. B. Harman, 48 N. Queen street, Lancaster, Pa. Owners, Hamilton Real Estate Co., Lancaster, Pa. Brick and steel, 1 story, 134x57 feet, composition roof, steam heating, electric lighting, terrazzo floors, waterproofing and dampproofing, interior decorating, ventilators, marquee, kalamein doors, metal sash. Owners are sub-letting all contracts.

School Building, Northampton Heights, Pa. Architect, Clyde S. Adafs, 1509 Arch street, Philadelphia. Owners, Board of Education, Geo. E. Borman, secretary, South Bethlehem, Pa. Brick, stone trimmings, 2 stories, 120x80 feet, slate and slag roof, steam heating, electric lighting, slate blackboards. Plans in progress. Owners will advertise for bids in about two weeks.

School Building, Trevorton, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, James A. Scott, Secretary, Trevorton. Brick, stone trimmings, 2 stories, 95x120 feet, slate roof, steam heating, electric lighting, slate blackboards. Plans in progress. Owners will advertise for bids in about two weeks.

Silk Mill and Power House, Wilkes Barre, Pa., \$110,000. Architect, Geo. S. Welsh, Coal Exchange, Wilkes Barre. Owners, Duplan Silk Co., Fourth avenue and Seventeenth st., New York City. Reinforced concrete, terra cotta, brick and hollow tile, 1 story, 162x200 feet; power house, 1 story, 77x44 feet, slag roof, iron stairs, safety treads, fire doors, maple floors, steel sash, kalamein doors, (heating and electric work reserved). Architect taking bids, due April 20th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Park Improvements, Lansdowne, Pa. Architects, Heacock and Hokanson, Bailey Building, Philadelphia. Owner, name withheld. Stone and plaster, 1 and 2 stories, 74x96 feet, consists of bathhouse, recreation building, etc., asphalt shingle roofs, electric lighting, (heating separate bid). Barelay White & Co., Perry Building, Philadelphia, are figuring. (Only bidders.)

Residence, Haverford, Pa., \$25,000. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Lawrence D. Beggs, Ardmore, Pa. Brick, plastered, 2½ stories, 90x37 feet, slate or shingle roof, vapor heating, electric lighting, tile work, oak floors, metal weatherstrips. Architects taking bids, due April 19th. The following are figuring:

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Church, West Chester, Pa. Architect, Wesley Losher Blithe, 608 Chestnut street, Philadelphia. Owners, M. E. Church of West Chester, Rev. Jay Dickinson, West Chester, Pa. Stone, 1 story, 90x116 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in one week.

Residence, Oak Lane Park, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, L. E. Brooks, 1918 North Thirty-second street, Philadelphia. Stone, 2 stories, 39x28 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architects will take bids in one week.

Store Buildings (3), Chester, Pa. Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owner, H. M. McCoy, Spencer Stationery Co., and Sweeney & Clyde, Chester, Pa. Brick and terra cotta, 2 stories, 64x90 feet, slag roof, vapor heating, electric lighting, pine floors, waterproofing, tile and marble work, roof ventilators, composition floors. Owners have received bids.

Factory Building, Darby, Pa. Engineers, Willard Case & Co., 17 Battery Place, New York City. Owners, Griswold Worsted Co., Darby, Pa. Brick, 4 stories, 100x55 feet, asbestos roof, steel sash, iron stairs, safety floors, waterproofing, (heating, plumbing and electric work reserved). Engineers taking bids, due April 19th. George & Borst, 277 S. Eleventh street, and Monaghan & Loose, 214 South Twelfth street, Philadelphia, are figuring.

Cottage, Haverford, Pa. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owners, name withheld. Frame, 2 stories, 30x28 feet, shingle roof, hot air heating, electric lighting, yellow pine floors. Architects have received bids.

Residence, Media, Pa. Architect, Newton Flounders, Media, Pa. Owner, John G. Brown, Media, Pa. Stone, brick and plaster, 2 stories, 31x53 feet, shingle roof, hot water heating, electric lighting, pine floors. Architect taking bids, due April 28th. The following are figuring: A. E. & A. L. Flounders, Baker Bros., Louis Green, W. Worrlow and Lindsey & Moorehouse, all of Media, Pa.; James B. Flounders, 1329 Arch street; and R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Residence, Ogontz avenue, Elkins Park, \$5,000. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owner, David D. Chrisman, 2302 South Eighteenth street, Philadelphia. Stone, hollow tile and stucco, 2 stories, 31x22 feet, slate or asbestos shingle roof, hot water heating, electric lighting, hardwood floors. Architect taking bids, due April 30th. The following are figuring: Alan G. Smith, 6490 Woodbine avenue; F. B. Davis, 240 North Sixteenth street; Rimer & Byers, 4842 Hawthorne street; F. A. Havens & Co., 845 North Nineteenth street.

Bank and Office Building, Shenandoah, Pa. Architect, Frank X. Reilly, Pottsville, Pa. Owners, Shenandoah Trust Co., Harry Bradi-

gan, president, Shenandoah, Pa. Brick, granite and terra cotta, reinforced concrete floors, 4 stories, 34x55 feet, asbestos roof, iron stairs, waccamaw gum wood flooring, kalamein doors, metal sash, metal lath, waterproofing and dampproofing, (heating, electric work, plumbing, elevator, banking fixtures reserved). Architect taking bids, due April 22d. Metzger & Fisher, Denekla Building, Philadelphia, are figuring.

Twin Residences, Flourtown, Pa. Architect, private plans. Owners, Alfred and Clarence Seddon, Flourtown, Pa. Brick, plastered, 2½ stories, 32x40 feet, slate or shingle roof, electric lighting, pine floors, (plumbing and heating reserved). Builder Charles J. Appleton, Heed Building, Philadelphia, is taking sub-bids, due April 20th.

Locker House, Jenkintown, Pa. Architect, O. R. Parry, 1631 Chestnut street, Philadelphia. Owners, Old York Road Country Club, Jenkintown, Pa. Stone, hollow tile and plaster, 2 stories, 41x72 feet, shingle roof, steam heating, electric lighting, tile work, metal lockers. Architect has received approximate bids.

Rectory, Lebanon, Pa. Architect, Geo. I. Lovatt, 518 Walnut street, Philadelphia. Owners, St. Gertrude's R. C. Church, Rev. A. S. Kappes, Lebanon, Pa. Brick, 3 stories, 36x50 feet, slate roof, steam heating, electric lighting, tile work. Architect taking bids, due April 25th. The following are figuring: George P. Spicher, Shenk Bros., J. H. Greiner, H. Buffmoyer, A. H. Whitmer, all of Lebanon, Pa.

Residence (alt. and add.), Elkins Park, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Lewis Needles, Spring avenue, Oak Lane, Philadelphia. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting. Architects taking bids, due April 20th. The following are figuring: W. John Stevens, Wyn-cote, Pa.; Lam Building Co., 1001 Wood st.; Specht & Sperry, Heed Building, Philadelphia; Alfred James, Bala, Pa., and M. Fesmiro & Mitchell, Glenside, Pa.

Silk Mill and Power House, Wilkes Barre, Pa., \$110,000. Architect, Geo. S. Welsh, Coal Exchange Building, Wilkes Barre. Owners, Unplac Silk Co., Fourth avenue and Seventeenth street, New York City. Reinforced concrete, terra cotta, brick and hollow tile, 1 story, 162x200 feet; power house, 1 story, 77x44 feet, slag roof, iron stairs, safety stairs, safety treads, fire doors, maple floors, steel sash, kalamein doors, (heating and electric work reserved). Architect taking bids, due April 20th. The following are figuring: Wilson J. Smith, South Main street; John Curtis Co., John F. James, 45 South Grant street; E. T. Long & Co., South State street; Kehoe & Mowrey, South Franklin street, all of Wilkes Barre, Pa.; Philip Hailbach Cont. Co., Twenty-sixth and Thompson streets, and Henry L. Brown, 1714 Sansom street, both of Philadelphia; United Fireproofing Co., 8 W. Fortieth street, New York City, and John W. Ferguson Co., Patterson, N. J.

Residence, Coatesville, Pa., \$15,000. Architect, Richard A. Kerns, Coatesville, Pa. Owner, J. M. Milliken, care of Midvale Steel Corporation, Coatesville, Pa. Stone, 2½ stories, 54x49 feet, tile or slate roof, vapor heat-

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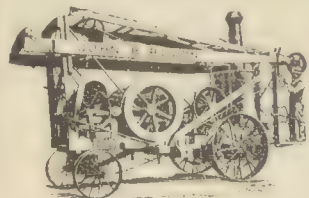
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ing, electric lighting, oak floors, tile work, metal weather strips. Owners taking bids, due April 25th. Smith-Hardican Co., 1606 Cherry street, Philadelphia, are figuring.

Residence (alt. and add.), Wyncote Manor, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, George Gray, Glenside, Pa. Frame and plaster, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in one week.

Pennsylvania

Contracts Awarded

Parochial School, Wayne, Pa. Architects, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, St. Katherine of Sienna Parish, Rev. Charles F. Kavanaugh, rector, Wayne, Pa. Brick, granite trimmings, 2 stories, 115x52 feet, tile and slag roof, waterproofing, yellow pine floors, slate blackboards, (plumbing, heating and elevators separate bids). Contract awarded to John McShain, 1610 North street, Philadelphia.

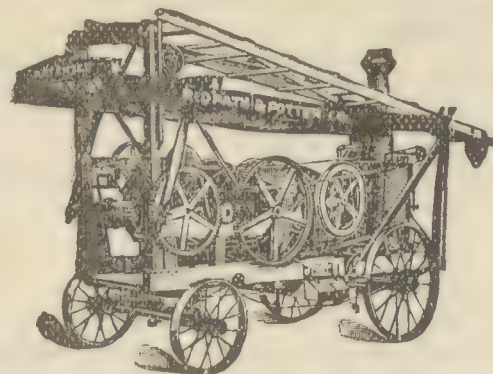
Residence (alt. and add.), 615 North Pulm street, Lancaster, \$3,500. Architect, J. B. Harman, 48 North Queen street, Lancaster, Pa. Owner, M. E. Booth, Lancaster, Pa. Brick, 3 stories, 18x90 feet, tin roof, hot water heating, electric lighting, oak floors. Contract awarded to Roy Clark, Lancaster, Pa.

Residence, Lancaster, Pa., \$3,500. Architect, H. M. Bartholomew, 39 E. Grant street, Lancaster, Pa. Owner, Daniel Kachel, Lancaster, Pa. Brick, 2½ stories, 18x45 feet, slate and tin roof, hot air heating, electric lighting. Contract awarded to Luther Wohlson, Lancaster, Pa.

Store (alts.), Lancaster, Penna. Architect, H. M. Bartholomew, 48 N. Queen street, Lancaster. Owner, A. L. Leaman, Lancaster, Pa. Consists of new bulk windows. Contract awarded to L. V. Wright, Lancaster, Pa.

Residence, Gap, Pa., \$1,000. Architect, M. R. Evans, Lancaster, Pa. Owner, Dr. Schotos, Gap, Pa. Brick and frame, 2½ stories, 0x28 feet, shingle roof, vapor heating, electric lighting, tile and hardwood floors. Contract awarded to Samuel H. Feeter, Gordonville, Pa.

Laundry and Factory Building, Harrisburg,



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Pa. Architects, W. W. Johnson and Thomas M. Kelker, Harrisburg, Pa. Owner, W. E. Orth, Harrisburg, Pa. Reinforced concrete and brick, 5 stories, 50x162x102 feet, composition roof, steel sash, metal lath, waterproofing, maple floors, heating, plumbing, electric work and elevator reserved). Contract awarded to Cranford & Stephenson, Harrisburg, Pa.

Apartment House, Harrisburg, Pa., \$5,500. Architect, R. R. Markley, Patriot Building, Harrisburg, Pa. Owner, S. S. Etter, Harrisburg, Pa. Brick, 3 stories, 20x57 feet, slag roof, steam heating, electric lighting. Contract awarded to W. D. Markley, Harrisburg, Pa.

Residence, New Oxford, Pa., \$5,000. Architect, Robert A. Stair, York, Pa. Owner, W. F. Sheely, New Oxford, Pa. Brick, 2 stories, 30x95 feet, slate roof, (heating reserved), electric lighting. Contract awarded to Milton D. Feiser, New Oxford, Pa.

School (alt. and add.), Greencastle, Pa., \$15,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Board of Education, Dr. P. W. Palmer, president. Brick and steel, limestone trimmings, 2 stories, 75x34 feet, slag roof, steam heating, electric lighting. Contract awarded to Jacob Shank, Greencastle, Pa.

Residence, Camp Hill, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, W. H. R. Neiman, Harrisburg, Pa. Brick, 2 stories, 30x35 feet, slate roof, steam heating, electric lighting, hardwood and tile floors. Contract awarded to W. E. Bushey, Lemoyne, Pa.

Loom Building, North Wales, Pa., \$4,000. Engineer, Harry C. Eisenbine, Pennsylvania Building, Philadelphia. Owners, The Mont-

gomery Mill Co., North Wales, Pa. Corrugated iron, concrete foundations, 1 story, 50x65 feet, slag roof. Contract awarded to James P. Farrell & Co., Inc., 1619 Sansom street, Philadelphia.

Residence (5), Windover avenue, Rosemont, Pa. Architects, Alexander M. Adams, 1012 Walnut street, Philadelphia. Owner, name withheld. Hollow tile and plaster, 2½ stories, 25x50 feet, slate roof, vapor heating, tile work, hardwood floors. Contract awarded to Gray Bros., Rosemont, Pa.

Office Building (add.), South Bethlehem, Pa. Architects, Graham-Burnham Co., 80 E. Jackson Boulevard, Chicago. Owners, Bethlehem Steel Co., South Bethlehem, Pa. Brick, terra cotta, steel and reinforced concrete, fireproof, 7 stories, 145x155 feet, slag roof, steam heating, electric lighting, elevators, tile and marble work. Contract awarded to Robert S. Rathbun, Allentown, Pa., for foundations. Contract awarded to Thompson-Starrett Co., 49 Wall street, New York City, for superstructure.

Residence (alt. and add.) and Garage, Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Mrs. Agnes Rogers, Haverford, Pa. Stone, 2½ stories, shingle and canvas roofing, hot air heating, electric lighting, oak floors, tile work, vacuum cleaner piping. Contract awarded to Gray Bros., Rosemont, Pa.

Residence and Garage, Cynwyd, Pa. Architect, Edward B. Delk, 34 South Seventeenth street, Philadelphia. Owner, Melville G. Curtis, Bala, Pa. Hollowtile and plaster, 2½ stories, 25x76 feet; wing, 14x18 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to J. P. Thompson, Real Estate Trust Building.

NEW JERSEY

Construction News

Residence, Cinnaminson, N. J. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owners, The Misses Wallace and Rushmore, Cinnaminson, N. J. Frame, 2½ stories, shingle roof, hot water heating, electric lighting. Plans in progress.

Hospital Building, Spring Lake, N. J. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, May Memorial Hospital, Spring Lake, N. J. Brick, stone, concrete and steel, fireproof, 2 stories, 40x100 feet, and 40x50 feet, steam heating, electric lighting, tile and marble work, metal lath. Plans completed. Architects ready for bids.

Ward Building (alt.), Morris Blairs, N. J., \$10,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State Hospital for Insane, Morris Plains, N. J. Opening up fourth story. Plans in progress.

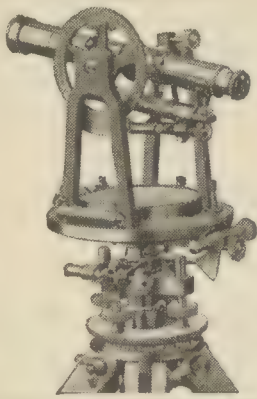
Residence, Trenton, N. J., \$12,000. Architects, W. W. Slack & Sons, American Me-

chanics Building, Trenton. Owner, David S. South, 145 E. Hanover street, Trenton. Brick, 2½ stories, 34x56 feet, slate or tile roof, vapor heating, combination lighting, tile and hardwood floors. Revised plans in progress.

Normal School (alt.), Trenton, N. J. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State Normal School, Trenton, N. J. Reinforced concrete floors, 2 flights of iron and slate stairs, composition floors. Plans in progress. Will take bids in three weeks.

Residences (2), 21 Fisher place, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, Walter C. Slack, 27 Fisher st., Trenton, N. J. Brick, 2½ stories, 36x42 feet, slate roof, hot water heating, electric lighting. Owner is sub-letting all contracts.

Main Building (alt.), Vineland, N. J., \$1,500. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State Institute for



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WARREN-KNIGHT CO., 136 N. 12th St., Philadelphia

Feeble Minded, Vineland, N. J. Interior alterations. Plans in progress.

Residence, Moorestown, N. J., Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, A. E. Street, 306 Broadway, Camden, N. J. Frame, 2½ stories, 25x50 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Architect has received bids.

Cigar Factory, Perth Amboy, N. J. Architect, E. Allen Wilson, 1200 Chestnut street, Philadelphia. Owners, Bayuk Bros. Co., Third and Spruce streets, Philadelphia. Brick, 4 stories, 80x100 feet, slag roof, electric lighting, elevators, waterproofing, (steam heating reserved). Architect taking bids, due April 26th. The following are figuring: Armstrong & Latta, Land Title Building; A. Raymond Raff Const. Co., 1635 Thompson st.; Joseph Bird Co., 213 North Eleventh street; George Hogg, 1635 Sansom street; Wm. Linker Co., Heed Building; George & Borst, 277 South Eleventh street; Roydhouse-Arey Co., Fidelity Building; Metzger & Fisher, Denekla Building; Hughes Foulkrod Co., Commonwealth Building; Bailey-Bush Co., 201 N. Broad street, all of Philadelphia.

Club House (alts.), Northfield, N. J. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Atlantic City Country Club, Northfield, N. J. Brick and frame, consists of new porches and interior alterations, tin roof, roof ventilators, steam heating, electric lighting, yellow pine floors, metal lath. Architect taking bids, due April 20th. R. C. Ballinger & Co., 213 North Thirteenth street, Philadelphia, are figuring.

Factory and Power House, Hammonton, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City. Owner, T. F. Baulig, Egg Harbor, N. J. Brick and steel, 2 stories, 40x243 feet, slag roof, steam heating, electric lighting, concrete and wood floors, metal sash. Plans in progress.

Recreation Building, Camden, N. J. Engineer, J. O. Clarke, 133 South Twelfth street, Philadelphia. Owners, MacAndrews & Forbes Co., Third and Jefferson streets, Camden, N. J. Brick, 2 stories, slag roof, steam heating, electric lighting, lockers. Engineer has received approximate bids.

Residence (alt. and add.), Trenton, N. J.

Architect, William Thines, Commonwealth Building, Trenton, N. J. Owner, Simon Goldberg, 61 S. Olden street, Trenton, N. J. Frame, 2 stories, 18x23 feet, tin roof (steam heating reserved), combination lighting, tile work, maple floors. Owner is taking bids.

School, Sykesville, N. J., \$8,000. Architect, R. A. Schumann, 341 Tyler avenue, Trenton, N. J. Owners, Board of Education, Sykesville, N. J. Brick, 1 story, 34x60 feet, slate roof, steam heating, electric lighting. Plans in progress.

Church (alt. and add.), Trenton, N. J., \$24,000. Architect, R. A. Schumann, 341 Tyler avenue, Trenton, N. J. Owners, Central Baptist Church, Trenton, N. J. Stone and brick, 1 story, 45x89 feet, slate roof, vapor heating, electric lighting, tile floors. Plans in progress.

Parish House and Church (alt. and add.), Trenton, N. J., \$12,000. Architect, R. A. Schumann, 341 Tyler avenue, Trenton, N. J. Owners, Hungarian Reformed Church, Trenton, N. J. Brick, 2 stories, 18x34 feet, slate roof, steam heating; parish house, 20x67 feet, electric lighting. Plans in progress.

Parish House, New Brunswick, N. J., \$7,000. Architect, R. A. Schumann, 341 Tyler avenue, Trenton, N. J. Owner's St. Joseph's Greek Catholic congregation, John Lugaph, New Brunswick, N. J. Brick, 2 stories, 20x60 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Ready for bids.

Garage (add.), Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owner, John L. Brock, Canal above State street, Trenton. Brick, 2 stories, 42x53 feet, slag roof, steam heating, electric lighting, cement floors, wire lath, waterproofing. Ready for bids.

Residence, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton. Owner, Dr. Leland Kniffin, 726 Riverside avenue, Trenton, N. J. Brick, 2½ stories, 37x40 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors. Architects taking bids, due April 22nd. The following are figuring: S. W. Mather & Son, Burton & Burton. Scott & Day, Ed LaRue, A. W. Chapman and Wm. Ivins, all of Trenton, N. J.

awarded to Burton & Burton, American Mechanics Building, Trenton, N. J.

Residence, Trenton, N. J. Architect, W. P. Endebrock, American Mechanics Building, Trenton. Owner, J. J. Bowden, 547 S. Broad street, Trenton, N. J. Brick, 3 stories, 14x87 feet, slag roof, hot water heating, combination lighting, waterproofing. Contract awarded to T. F. Donigan, 163 Hamilton street, Trenton.

Hotel (alt. and add.), Atlantic City, N. J., \$75,000. Architects, Hewitt & Granger, Bullett Building, Philadelphia. Owners, Newlin & Haines Co., Atlantic City, N. J. Frame, 3 stories, 65x65 feet; boiler house, 60x38 feet, slag roof, steam heating, electric lighting, tile, maple and cement floors. Contract awarded to W. B. Poreh, Sheen Building, Atlantic City.

Club House (alt. and add.), Atlantic City, N. J. Architect, Frank A. Berry, Guarantee Trust Building, Atlantic City. Owners, Knights of Columbus, Atlantic City, N. J. Frame and stucco, 1 story, composition flooring, electric lighting, shower baths. Contract awarded to Alfred Moore, 11 N. Michigan avenue, Atlantic City.

Apartment, Pacific avenue, Atlantic City, N. J., \$25,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, H. S. Vila, 514 Oriental avenue, Atlantic City. Brick, stone and reinforced concrete, 3 stories, 50x100 feet, slag roof, hot water heating, combination lighting, tile floors, waterproofing and dampproofing. Contract awarded to C. E. Schappell, 4803 Ventnor avenue, Atlantic City, N. J.

Moose Home, Salem, N. J., \$10,000. Architects, Custer & Seltzer, Camden, N. J. Owners, Loyal Order of Moose, Old Oak Lodge, Salem, N. J. Brick, 2 stories, 30x60 feet, stone trimmings, slag roof, steam heating, electric lighting, composition flooring. Contract awarded to Robert Brandric, Salem, N. J.

Residence, West State street, Trenton, N. J., \$5,000. Architect, private plans. Owner, L. C. Case, Jr., 928 Berkeley avenue, Trenton, N. J. Brick, 2½ stories, 40x30 feet, slate roof, hot water heating, electric lighting. Contract awarded to Edw. LaRue, 53 South Hermitage street, Trenton, N. J.

Residence, Trenton, N. J., \$8,000. Architect, Harry Hill, 40 East State street, Trenton, N. J. Owner, H. P. Humphrey, 29 Oak lane, Trenton, N. J. Brick, 2½ stories, 42x37 feet, slate roof, hot water heating, electric lighting, tile work, birch floors. Contract awarded to Edw. LaRue, 53 South Hermitage street, Trenton, N. J.

OLD NEW YORK STREET NAMES.

There have been changes in the names of many of the old streets of New York, though seldom for the reason Bowery business men are advancing in support of their campaign. Dutch names were generally abolished when the British took possession, and several of the English names disappeared after the Revolution. Liberty street was formerly Crown, Pearl was Great Queen, Broad was popularly known as Petticoat lane, and Broadway above the vicinity of Wall street was Great George, while that section in front of Trinity Church was called by the British officers The Mall. And Columbia College was King's College previous to 1784, as a plate in front of the university library testifies.—New York "Sun."

"Do what you are paid to do—and then some—it's the then some that gets your salary raised."—James B. Miller.

NEW JERSEY

Contracts Awarded

Residence, Whitaker avenue, Trenton, N. J., \$12,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, H. L. Watson, 1320 W. State street, Trenton, N. J. Brick, 2½ stories, 42x40 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Contract awarded to Burton & Burton, American Mechanics Building, Trenton, N. J.

Factory (add.), Trenton, N. J. Architect,

private plans. Owners, Star Porcelain Co., Muirheid avenue, Trenton, N. J. Brick, 8 stories, 73x40 feet, slag roof, electric lighting. Contract awarded to H. C. Franzoui, 254 S. Olden avenue, Trenton.

Residences (2), Riverside Drive, Trenton, N. J., \$6,000. Architect, private plans. Owner, Ed. H. Armstrong, 221 E. State street, Trenton. Brick, 2½ stories, 15x52 feet, slate and tin roof, hot water heating. Contract

MARYLAND Construction News

Toilet Building (alts. and add.), Bayview, Md., \$15,000. Architect, private plans. Owners, City of Baltimore, Md. Brick and concrete, 12x46 feet, steam heating, electric lighting, plumbing, reinforced concrete. Plans completed. Owners will advertise for bids in about one week.

Bungalow, Elsinore avenue, Walbrook, Md., \$5,000. Architect, John R. Forsythe, 232 St. Paul street, Baltimore. Owner, J. Irving Bealmear, Fidelity Building, Baltimore. Frame, 1½ stories, 35x46 feet, slate roof, hot water heating, electric lighting. Owner will take bids.

Business Building, northwest corner Baltimore and Eutaw streets, Baltimore. Architect, Howard Sill, Jr., 11 E. Pleasant street, Baltimore. Owners, Robert Garrett & Sons, Garrett Building, Baltimore. Brick, 2 stories. Plans in progress. Too early for details.

Dwellings (5), Salisbury, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, Mrs. E. E. Jackson, Salisbury, Md. Frame and brick, 2½ stories, shingle roof, hot water heating, combination lighting, plastering, plumbing. Architects taking bids.

Dwelling, The Gilman Country School, near Roland Park, Md. Architects, Edw. L. Palmer, Munsey Building, Baltimore. Owners, Gilman Country School, on premises. Brick and stone, 2½ stories, marble trimmings, slate roof, hot water heating, electric lighting, tile bath, hardwood floors, plumbing, plastering, decorating. Ready for bids.

Dwelling, Worthington Valley, Md., \$100,000. Architect, Jas. R. Edmunds, Munsey Building, Baltimore. Owner, C. Wilbur Miller, Garrett Building, Baltimore. Brick, concrete, fireproof, stone foundation and trimmings, slate roof, electric lighting, electric elevator, interior tile and marble floors and walls, hardwood floors, ornamental iron work, power and refrigerating apparatus, heating not decided. Plans in progress for superstructure. Contract for foundations awarded to Gladfelter & Chambers, 729 Roland avenue, Baltimore.

Dwelling, Guilford, Md. Architect, Edw. L. Palmer, Munsey Building, Baltimore. Owner, Ernst Schmeiser, Maryland Casualty Tower,

Baltimore. Brick, 2½ stories, stone trimmings, slate roof, hot water or special heating system, combination lighting, tile work, hardwood floors. Plans in progress.

Dwelling, Towson, on York road, Baltimore, Md. Architects, Edw. L. Palmer, Munsey Building, Baltimore. Owner, Frank Gould, care Mrs. Record, Commerce and Water sts., Baltimore. Brick, 2½ stories, slate roof, hot water or special heating system, electric lighting, tile baths, iron work, hardwood floors. Plans in progress.

Dwelling and Garage, Guilford, Md., \$35,000. Architect, Geo. R. Callis, Jr., 218 E. Lezington street, Baltimore. Owner, Mary Kennedy, 603 University Parkway, Baltimore. Stone, 2½ stories, 41x52 feet, wing 22x25 feet; garage, 1 story, 24x28 feet, slate roof, hot water heating, electric lighting, tile baths, vacuum cleaning, concrete work. Architect ready for bids.

Factory Buildings, Montebello avenue and Twenty-fifth street, Baltimore. Architects, private plans. Owners, Linde Air Products Co., Forty-second Street Building, New York City. Brick and steel, 1 story, 100x125 feet, concrete roof, electric lighting. Plans in progress. Will take bids in about three months.

School Building, Linthicum Heights, Md., \$10,000. Architect, Herbert G. Crisp, Calvert Building, Baltimore. Owners, Anne Arundel County Commissioners, care Wm. S. Crisp. Brick, 2 stories. Details not decided. Plans in progress.

Warehouse, Sharp and Ostend streets, Baltimore. Architect, private plans. Owners, F. X. Ganter Co., 13 W. Pratt street, Baltimore. Brick, 5 stories, 66x156 feet, slag roof, electric lighting, steam heating, elevators. Plans about completed. Will take bids in a few weeks.

Garage, Belvidere street near Greenmount avenue, Baltimore, \$10,000. Architects, Sparklin & Childs, Law Building, Baltimore. Owner, Wallace W. Kemp, 401 E. Oliver st., Baltimore. Brick and concrete, 2 stories, 81x58 feet, slag roof, electric lighting. Contract awarded to Henry S. Rippel, 7 Clay street, Baltimore.

ing, Wilmington, Del. Owners, Gomery-Schwartz Motor Co., 1011 Orange street, Wilmington. Brick, terra cotta and steel, 3½ stories, slag roof, steam heating, electric lighting, concrete and tile floors, waterproofing, elevator, storage tanks. Plans in progress.

School (alt. and add.), Brandywine Hundred, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owners, The Dupont School, on premises. Stone, hollow tile and reinforced concrete floors, 3 stories, 75x98 feet, shingle roof, waterproofing, maple floors, tile and marble work, metal lath, steel lockers, iron stairs, slate blackboards. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street, Philadelphia.

Permits for New Buildings

Wm. Keimer (O), 139 E. Loudon street Olney. Cost, \$1,600. Shop, Fifth and Laury streets. Brick, 2 stories, 20x45 feet.

Harry A. Hartung (O), 7403 J street. Cost, \$6,400. Four dwellings, 7400 K street. Brick, 2 stories, 14x37 feet.

Lashner & Silver (O), 1700 South Fifth street. Cost, \$73,500. Nineteen dwellings Broad and Blavis streets. Brick, 2 stories, 16x52 feet.

Goldberg Sbroglia, 703 North Tenth street. Cost, \$5,500. Store and dwelling, Seventh and McClellan streets. Brick, 2 stories, 18x60 feet.

E. H. Sturts (O), 2614 Ridge avenue. Cost, \$30,900. Ten dwellings and garage, 4700 N. Tenth street. Brick, 2 stories, 16x46 feet.

Bauerle & Emery (O), 4301 North Ninth street. Cost, \$11,200. Seven dwelling, Darian and Bristol streets. Brick, 2 stories, 14x33 feet.

James N. Mitchell (O), Forty-sixth and Market streets. Cost, \$131,000. Sixty-one dwellings, Marlin road and Media street. Stone and brick, 2 stories, 18x30 feet.

Martin Lombrisbi (O), 4500 Almond street. Lewis Ahlers (C), 4433 Almond street. Cost, \$4,500. Three dwellings, 4540-44 Mercer st. Brick, 2 stories, 14x42 feet.

Lewis Adlers, Jr. (O), 4433 Almond street. Cost, \$11,800. Eight dwellings, Cassimier and Almond streets.

Rittenhouse Square Realty Co. (O), 713 Walnut street. Cost, \$1,300,000. Hotel, Nineteenth and Walnut streets. Stone, brick hollow tile, 15 stories, 45x222 feet.

Thomas Markle (O), 130 E. Mantor street. Cost, \$9,700. Eight dwellings, Howard and Rockland streets. Brick, 2 stories, 16x26 feet.

John J. Petre (O), 3017 Benner street. George W. Crosby (C), 2264 Bridge street. Cost, \$1,700. Stone and brick, 2 stories, 14x30 feet.

J. W. Holmes (O), 4538 North Twelfth st. Cost, \$49,000. Twenty dwellings, Eleventh and Courtland streets. Stone and brick, 2 stories, 18x35 feet.

A. C. Sehoen (O), 237 W. Wyoming street. Cost, \$15,200. Six dwellings, 5001-11 North Sixth street. Brick and stone, 2 stories, 15x46 feet.

Jos. A. Blair (O), 4523 North Eighth st. Cost, \$18,500. Six dwellings, Tenth and Rockland streets. Stone and brick, 2 stories, 15x46 feet.

Cornelius Bodins (O), 129 South Fourth st. Fred Elvidge & Sons (C), 5522 Germantown avenue. Residence and garage, Moreland and Navajo avenue. Stone and brick, 3 stories, 28x79 feet.

Louis Leib, 6638 Torresdale avenue. Cost, \$8,400. Four dwellings, Unrush and Jackson streets. Brick, 2 stories, 16x40 feet.

Miscellaneous Construction News

School, Camden, Del., \$24,000. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care D. T. R. Brown, Equitable Building, Wilmington, Del. Brick, 2½ stories, 88x88 feet, slag roof, steam heating, electric lighting. Plans in progress.

Club House, Delaware avenue and Tatnall street, Wilmington. Architect, J. D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, B. P. O. E. No. 307, Wilmington, Del. Brick and terra cotta, 3 stories and roof garden, 74x80 feet, tile roof, steel sash, bowling alleys, metal lath, dampproofing, tile floors, (heating and lighting reserved). New plans in progress.

Garage, Wilmington, Del., \$130,000. Architects, Brown & Whiteaide, Dupont Building, Wilmington. Owners, Wm. Coyne, Wilmington, Del. Brick, 2 stories. Plans in progress.

Residence, Pean and Rodney streets, Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Joseph A. Rowe, 909 Adams street,

Wilmington. Brick and stone trimmings, 3 stories, 30x50 feet, slate roof, vapor vacuum heating, electric lighting, tile and hardwood floors, waterproofing. Architect taking bids. The following are figuring: J. E. Healy, W. D. Haddock & Co., H. T. Reed, A. S. Reed & Bro. Co., Joyce & Herrigan, C. J. Dougherty, all of Wilmington, Del.

Cottage and Laundry and Garage, Wilmington, Del. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Stone and brick or hollow tile and plaster, 2 stories, 34x59 feet each, tile roofs, hot water heating, electric lighting, tile work (gasoline pump and storage system and laundry equipment reserved). Architect taking bids, due April 25th. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street, Philadelphia; W. D. Haddock & Co., 804 Orange street, Wilmington, Del.; A. S. Reed & Bor. Co., 815 Shipley street, Wilmington, Del.

Service Station, Wilmington, Del., \$30,000. Architect, J. D. Thompson, Jr., Ford Build-

F. Lasch (O), 3081 Cedar avenue. Cost, \$3,500. Store and dwelling, Tulip and Ann streets. Brick and stone, 2 stories, 22x52 feet.

Chas. Luib (O), 2013 Orthodox street.

John Bolle (C), 4640 Melrose street. Cost, Daniel Crawford, Jr. (O), 701 North Sixty-third street. Cost, \$103,000. Fifty dwellings, Fifty-seventh and Hadfield street. Stone and brick, 2 stories, 15x41 feet.

Alterations and Additions

Frank P. Hood (O), Bulletin Building. S. B. McDowell & Son (C), 1927 Montgomery avenue. Cost, \$4,500. Rooming house (2), 3142 North Broad street and 4511 Springfield avenue.

Louis J. Maltler Mfg. Co. (O), N street and Torresdale avenue. H. R. Heinnick, Inc. (C), Drexel Building. Cost, \$1,200. Chimney, N street and Torresdale avenue.

W. H. Smith, Jr. (O), Seventh street and Sixty-sixth avenue. C. E. Lloyd, Jr. (C), Eighth street and Sixty-sixth avenue. Cost, \$500. Garage, Seventh street and Sixty-sixth avenue.

J. J. Foley (O), 1241 North Sixtieth street. E. P. Matthews (C), 1640 North Redfield st. Cost, \$700. Store and dwelling, 1220 North Sixtieth street.

Louis Offenber (O), Fifty-first and Viola streets. A. P. Luckner (O), 1727 North Fifty-first street. Cost, \$1145. Garage, Fiftieth and Viola streets.

Girard Trust Co. (O), Broad and Chestnut streets. J. Morris Daniels (C), 252 South Juniper street. Cost, \$7,760. Warehouse, 211 North Third street.

Benj. Windsor (O), 404 Shunk street. John Rememer (C), Stonehouse lane. Cost, \$400. Dwelling, Stonehouse lane and Curtain street.

Rush Bros. (O), 1100 Fillmore street. Cost, \$1,000. Garage, 1105 Arrott street.

D. B. Martin Co. (O), Thirtieth and Market streets. H. P. Friend (C), Norristown, Pa. Cost, \$3,000. Factory, Thirty-sixth and Grays Ferry road.

Harrison Day Nursery (O), Nineteenth and Ellsworth streets. J. Myers & Sons Co. (C), Witherspoon Building. Cost, \$2,000. Day nursery, Nineteenth and Ellsworth streets.

H. E. Jones (O), 1209-11 North Fourth st. Concrete Const. Co. (C), Philadelphia. Cost, \$10,000. Dairy, 1209-11 North Fourth street.

I. Weinberg (O), 8415 Bartram avenue. S. Bannett & Sons (C), Drexel Building. Cost, \$425. Store, 8417 Bartram avenue.

Nahtan M. Levitties (O), 2204 Ridge avenue. S. Bannett & Sons (C), Drexel Building. Cost, \$2,400. Store and dwelling, 2204 Ridge avenue.

Jewish Hospital (O), York road and Tabor street. Lam Building Co. (C), 1001 Wood street. Cost, \$9,000. Hospital, York road and Tabor street.

John W. Irwin (O), 1952 Allegheny avenue. A. L. Fretz & Son (C), 1222 Chancellor street. Cost, \$2,500. Garage and dwelling, 6371 Drexel road.

R. R. Lloyd (O), 103 North Twenty-second street. Keystone Boiler Co. (C), 1617 South Berks street. Cost, \$500. Boiler foundations, 103-07 North Twenty-second street.

L. Blumberg (O), 333 North Fourth street. Cotler & Gairmspin (C), 1031 Ogden street. Cost, \$3,600. Storage, 333-35 North Fourth street.

Manufacturers Realty Co. (O), Philadelphia. E. Keller Co. (C), Real Estate Trust Building. Cost, \$800. Manufacturing building, Eleventh and Race streets.

Jos. Ball (O), 4445 Frankford avenue. Wilson Milnor (C), 4634 Penn street. Cost, \$7,000. Store and dwelling, 4445 Frankford avenue.

Mrs. Clara Bill (O), 1449 Loudon street. Barnes Bros. (C), 2080 E. Willard street.

Cost, \$1,000. Manufacturing Building, 1836 E. Clearfield street.

Wm. M. Hornor (O), Bryn Mawr, Pa. E. J. Shutteworth (C), 054 Kensington avenue. Cost, \$920. Store and dwelling, 069 Kensington avenue.

Mrs. F. Schwartz (O), 2540 Emerald street. Wm. S. Stone (C), 2069 E. Dauphin street. Cost, \$400. Dwelling, 2540 Emerald street.

M. Zibelman (O), Third and Bainbridge street. B. Arrow (C), 860 North Sixth st. Cost, \$800. Dwelling and store, Third and Bainbridge streets.

West End Trust Co. (O), Broad and South Penn square. Stokes Bros. (C), 672 Musgrave street. Cost, \$12,000. Rooming house, Emlen and Carpenter streets.

James F. Lucas (O), 2018 Wallace street. Mitchell Bros. (C), 2125 Race street. Cost, \$1,000. Dwelling, 2018 Wallace street.

M. Harry Anderson (O), 419 Main street. E. L. Cuthertson (C), 334 Roxborough street. Cost, \$500. Store and dwelling, 4319 Main street.

Wm. Russo (O), 626 South Eighth street. V. Cerasoli (C), 1231 Christian street. Cost, \$700. Store and dwelling, 626 South Eighth street.

E. P. Alexander (C), 306 North Thirty-fifth street. E. Tourison (C), 1001 Chestnut street. Cost, \$1,500. Garage, Thirty-sixth and Paul streets.

Isabel T. McDowell (O), Clarion and Wharton streets. C. Dadoma (C), 1633 South Carlisle street. Cost, \$400. Dwelling, 1331 South Clarion street.

Alex. Krause (O), 4164 North Marshall st. R. E. Steitzer (C), 715 W. Tioga street. Cost, \$1,150. Store, Marshall and Hunting Park avenue.

P. J. Hannigan (O), Second street pike and Northeast Boulevard. H. P. Schneider (C), 3713 Old York road. Cost, \$1,500. Saloon and dwelling, Second street pike and Northeast Boulevard.

W. M. Tompkins (O), 524 Brinton street. Jos. Thurman & Co. (C), 92 Collom street. Cost, \$1,500. Store, 5147 Germantown avenue.

Richard Entrisel (O), 520 Green lane. Henry C. Hays (C), 680 Ridge avenue. Cost, \$475. Offices, 420 Lyceum street.

Mantua Baptist Church (O), Fortieth and Fairmount avenue. A. McClintock (C), 1937 Ridge avenue. Cost, \$685. Dwelling, 649 North Fortieth street.

Hulton Dyeing and Finishing Co. (O), 2752 Jasper street. Geo. H. Thirsk & Son (C), 4104 Orchard street. Cost, \$1,500. Wash house, Frankford avenue and P. RR.

J. L. Linton (O), 25 South Fortieth st. Wm. Keirlwell (C), 28 South Fortieth st. Cost, \$800. Store and dwelling, 236 South Fortieth street.

Mrs. Annie E. Smith (O), 327 South Sixth street. Geo. Zergenfus (C), 3809 North Seventh street. Cost, \$3,500. Store and dwelling, 373-37 South Sixth street.

M. McLaughlin (O), 2354 North Second street. Bernard Herzog (C), 2247 North Second street. Cost, \$860. Garage, Second and York streets.

Anthony Zappile (O), 764 South Front st. V. Cerosoli (C), 1231 Christian street. Cost, \$900. Store and dwelling, 764 South Front street,

T. Bachran (O), 5149 North Camac street. G. J. Reichm, 1112 Loudon street. Cost, \$1,000. Dwelling, 5149 North Camac street.

Mrs. Addleton (C), 414 Sommerville avenue. G. J. Reich (C), 1112 Loudon street. Cost, \$500. Dwelling, 414 Sommerville avenue.

Emil Stout (C), 40 W. Mt. Airy avenue. Robt. H. Christy (C), 15 W. Mt. Airy avenue. Cost, \$800. Dwelling, 40 W. Mt. Airy avenue.

Freihofer Baking Co. (O), Twenty-fourth and Master streets. P. Haibach Contg. Co. (C), Twenty-sixth and Thompson streets. Cost, \$700. Bakery, Twenty-third and Ingersoll streets.

C. R. Simister (O), Nixon and Leverington streets. E. E. Tomlinson (O), Main st. Cost, \$600. Textile Mills, Nixon and Leverington streets.

J. Dobson Estate (O), 809 Chestnut street. Harry A. Rust (C), 19 South Eighth street. Cost, \$10,000. Store building, 837 Market street.

Rowley U. Pegly (O), 1624 Columbia avenue. E. C. Durell (C), 1713 North Twenty-fourth street. Cost, \$3375. Store and dwelling, 1624-26 Columbia avenue.

E. J. Holmes & Co. (O), 1309 Walnut street. Frank G. Stewart (C), 1619 Sansom street. Cost, \$3,500. Offices, 1525 Locust street.

T. Pacenzo (O), 1223 Christian street. Dominic Zero (C), 515 Christian street. Cost, \$600. Dwelling, 1223 Christian street.

Paul Baking Co. (O), 3040 Boudinot street. J. W. Mortimer (C), 3029 E street. Cost, \$900. Bakery, 3040 Boudinot street.

Standard Roller Bearing Co. (O), Phila. C. Ervin (C), Westmoreland and J streets. Cost, \$1,500. Building, Forty-eighth and Merion streets.

O. Tuhman (O), 1507 North Fifteenth street. L. Lipsky (C), 1504 North Franklin street. Cost, \$450. Dwelling, 633 Delancey street.

M. F. Rochstein (O), 964 North Sixth st. M. Zussman (C), 991 North Marshall street. Cost, \$500. Store and dwelling, Eighth and Wallace streets.

M. Rabinovich (O), 731 South Fourth street. Modern Const. Co. (C), Lafayette Building. Cost, \$3,000. Store and dwelling, 323 South Fifth street.

V. Rinaldi (O), 121 Jamestown street. Cost, \$400. Dwelling, Roxborough avenue and Tower street.

Southwark Const. Co. (O), 360 Ritner street. Cost, \$1,000. Two dwellings, 508-10 Mountain street.

J. McCormick (O), 1347 North Hancock street. Mullen & Nolan (C), 728 Oxford st. Cost, \$400. Dwelling, 1347 North Hancock street.

The Texas Co. (O), Morris Building. Cost, \$900. Office, McKean and Commercial avenue.

Belmont Packing Co. (O), 135 North Second street. Geo. Kessler Cont. Co. (C), Drexel Building. Cost, \$3,500. Manufacturing building, Sepviva and Butler streets.

John A. Seeds (O), 607 W. Upsal street. Chas. Johnson (C), 5701 Boyer street. Cost, \$750. Garage, Wissahickon avenue and Upsal street.

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Editorial Comment

An article from the pen of Theodore Starrett, in the March number of "Architecture and Building" presents some interesting data concerning the building of the Remington Arms plant at Bridgeport, Connecticut. How big the job was is best told in Mr. Starrett's own graphic style:

"I am under the impression that it is the biggest thing of its kind in the world, that is, buildings of the many-storied type, all new—all built at the start, as distinguished from a plant which has grown year after year," writes Mr. Starrett. "One man that I know took a fourteen mile walk looking this new Remington plant over. The buildings themselves cover about twenty acres of the ground and the rest of it is terraced and graded, not to an accompaniment of flowers and sod, but with retaining walls of railway embankments and a concrete dam forming a lake whose exact area is 7.57 acres, with a few miles of road and a small front yard—very small relatively speaking. This front yard is sodded and traversed by walks so as to hide every single square foot of what had been the barren hillside that once was there.

"Not a single square yard of those whole thirty-five acres but has been transformed by the work of man. Buildings, many-storied—not sheds—fireproof, modern in every way, in fact the very last word in construction, and so large as almost to strain the imagination, cover, as I said, twenty acres of this ground. One of them is over 2,000 feet long. Some folks would say it was fourteen buildings joined together and each one of them 'no slouch' of a building.

"And the whole thing was done in seven months and twenty-six days. Call it eight months. And all the people in Bridgeport to witness; and thousands of others, for people have gone miles to see it.

"And the whole thing was designed while it was building. That is one of the most interesting things about this wonderful example of twentieth century American executive ability."

* * *

"Imagine that hillside along that ditch. Thirty-five acres of rough hillside, of boulders, clay and solid granite. A single track, light built, dummy railway along the edge of the brook. Now there are six tracks of heavily constructed, well ballasted railway. The 'right of way' looks like the main line of the Pennsylvania Railroad out near Pittsburgh, where the same builders who built this work have a monument of two.

"But I was saying, imagine that hillside and understand that the hill is gone—cut down at the top and built up at the bottom. The front yard looks like a little park that had taken years in growing. Yet eight months before the last picture shown here

was taken they were just beginning to excavate.

"With no definite notion of just what was to be done, but with the idea of a certain plan and type of construction desired, the owner turned the rough hillside over to the contractor and together they worked it out. I am sure a lot of midnight oil was burned thinking out and planning the day's work for this job.

* * *

"Their big stunts, like this Remington job, for example, are organized in the face of difficulties that are great, to say the least. One of these difficulties is the temporary character of their army as I will call it. Of course the staff is permanent, or can be, but the rank and file are nomads. The succession of different classes of operation from excavating at the beginning to, say, painting at the finish, with one gang for the start then a dozen—no, forty different gangs—different trades—succeeding each other with perhaps ten to twenty on the job at the same time—the temporary nature of the employment of individual workmen on this or that operation—this is only one difficulty.

"No building organization has ever been, nor till the Millennium ever will be, free from this difficulty.

"And there are others—which I will not mention.

"The apex of activity on the Remington plant saw 3,500 builders at work. At that time one hundred cars of material per day were brought upon the job, unloaded and switched out to make way for more cars, and so for a period of approximately two months.

"Did you ever see a train of one hundred cars? Did you ever see one of fifty cars? Do you realize what it means to put material into walls and floors and roof at the rate of one hundred car loads per day? I do. I have some conception of what it means."

* * *

"The general contractors, to whom the major portion of the credit is due for the Remington job is James Stewart & Company, Inc., of 30 Church street, New York City.

* * *

Harvey M. Watts is of opinion that the real underlying reason why American architects turn almost sub-consciously to the classical models, when the commission is one that calls for a structure in which dignity and beauty is to be blended, is because of the irresistible appeal which the old forms are still capable of making to the imagination of the average man.

"Just why we like these forms of architecture from the olden, so that few enter the great waiting room of the Pennsylvania Station in New York without having an uplifting sense of the 'grandeur that was Rome's'—

for it is an almost exact copy of the typical vaulted hall of a Roman bath, which was a club, public library, hotel, a gymnasium and palace all rolled into one—is again being asked these days, not only here, where the art gallery is still being criticised by those who 'want something else,' but in Congress and other legislatures where there is the eternal querying as to 'why the Lincoln Memorial should be built in the style of the Parthenon,' or why architects should go to the Forum for their inspiration when they would build triumphal arches," writes Mr. Watts. "Despite all the bucolic iconoclasm of the farmyard school of critics, which would even have us develop an 'American style of architecture' and throw off the bondage of the Old World and the classic period, and despite the rude virtues which so many Congressmen seem to think lie in dubbing a Greek temple or an Italian palace 'un-American,' the fact is the architectural world of America was never in stricter accord with the great achievement of the Italians than now. What the World's Fair at Chicago began in 1893 was continued at St. Louis and elsewhere at all the intermediate exhibitions, and has been again confirmed by the architecture of the superb buildings at the San Diego and San Francisco expositions. Hence, when any one asks why this return to the 'classic,' using the word broadly, it would seem the answer is that it is a return to the fundamentals that have the deepest human appeal.

"Hence, it is not only the most natural but the inevitable thing that the new art gallery here, and this is also true of every art gallery built recently or remodeled anywhere in the country, should be severely 'classical' in style. The 'splendor that falls on castle walls' is one thing, but the splendor of moonlight or sunlight that falls on great masses of ordered masonry with pillared porticos seems to grip the average individual of the twentieth century very much as it did the Egyptians 5000 B. C., the Roman or the Greeks."

* * *

"Explaining how the rigid following of the rules of some of the old authorities had given the Romanticists a chance to attack the classic architecture as 'imitated, academic and unalive,' which was the attitude of many in the eighteenth century, Geoffrey Scott points out that it was the spirit and the life which the Italians put into their application of the older architecture to the needs of their day that carried everything before it then, as it seems to be doing to-day with us. As he puts it:

"An art is academic in this harmful sense when its old achievements crush down the energies that press toward the new. But the academic canons of the Renaissance did not represent the past achievements of the Renaissance, but of antiquity. To the Renaissance they were the symbol of an unsatisfied endeavor; the source, consequently, not of inertia, but of perpetual fruitfulness. The pedantry was superficial. Beneath this jargon of the 'Orders'—to us so dead, to them so

full of inspiration—the Italian architects were solving a vast and necessary problem. They were leading back European style into the main road of European civilization—the Roman road which stretched forward and backward to the horizon, sometimes overlaid, but not for long to be avoided.

"They were adapting, enlarging, revivifying the forms of the antique to serve the uses of the modern world. The change was deeply natural. Europe no longer recognized itself in the hopes and habits of its immediate past; it did recognize itself, on the contrary, in that remoter and more civilized society in which it had its origin. The medieval styles had run their course and outlived their usefulness. To have resisted the logic of events, to have clung to the vestiges of local Gothic—vital and 'rational' as in their times they had been, picturesque and romantic as they are in their survival—this in truth would have led, in a few generations, to a state of architecture as unalive, as falsely academic, as were the shames of archeology three hundred years later. For an academic tradition, allied as it was in the Renaissance to a living sense of art, is fruitful; the academic theory is at all times barren."

"And this final rule or law of appreciation by Scott will do very well with which to square the reason for the Lincoln memorials that are Roman or Greek temples, or art galleries that are Italian palaces or Roman basilicas, or, as in the case of the one that is to crown the hill at Fairmount, the living adaptation of various types of classical and Renaissance architecture assembled and welded into a harmonious whole."

* * *

What will the advocates of "The American in Architecture"—men such as Irving H. Pond, Bertram Goodhue, Cass Gilbert, and a host of others—say to this?

BUILDING IN PHILADELPHIA.

The new year is opening up with bright prospects for operative builders, and notwithstanding the increased cost of all materials entering into construction work, as well as the greater cost of labor in the building trades, the opinion prevails that 1916 is likely to establish a new record in building operations in Philadelphia. It is expected that the greater portion of dwelling house construction will be done along the Northeast Boulevard, where sites for 3,000 to 4,000 homes have recently been sold. Much house building will also be done in West Philadelphia, where the outlook is most encouraging.—"National Builder."

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Modern Business Has Reduced Efficiency Due to Ventilation to Matter of Dollars.

Ventilation has a wide significance when applied to the affairs of the human race and represents a desire for fresh air, supplied without discomfort. Efficiency has a comparatively new use in the modern science of obtaining the maximum returns for an expenditure of time and money. If a human being was at all times breathing fresh air at a comfortable temperature at an efficiency of 100 per cent. there would be no use for these words and they would probably not have been coined.

In the name of one or the other, many mechanical and commercial mistakes have been made and a proposed scheme for producing better ventilation or increasing efficiency is not blindly accepted, but starts with a handicap of doubt or unbelief because of the many failures that have been made by those who have been supposed to be expert.

The relation between ventilation and efficiency is close when the aim is to obtain the largest amount of work from a human being in return for his wages or salary. If it is provable that proper ventilation can be provided for offices, factories, homes, etc., the matter is of much interest to those who are studying problems in human efficiency. Man, in order to remain warm in winter weather, has housed himself in and provided means for heating the enclosures in which he lives. He has arranged for the admission of daylight when available and the production of artificial light when daylight fails. His desire for warmth has made him afraid of the admission of fresh unheated air during the colder months, and so mechanical apparatus has been designed with the object of delivering fresh air heated by passing it over steam pipes to the rooms occupied by students, patients, workers or those seeking amusement. Such apparatus is expensive in first cost and also for operating and upkeep. The use of mechanical apparatus has therefore been confined to schools, hospitals, theatres, auditoriums, factories and in some cases congested offices where the management believes that such an investment will be profitable.

The expenditure for this purpose has amounted to many millions of dollars and it is said that a very great percentage of installations of this nature are not operated because of unsatisfactory results and excessive operating charges. Many attempts have been made to obtain proper ventilation by admitting air through the windows, and devices of varying design have been placed on the market which admit a certain amount of air to

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the rooms, but owing to their faulty design and limited capacity they have failed to accomplish the results desired.

It has finally come to be accepted that breathing vitiated air is one of the ills that cannot be avoided and that if the human being is reasonably efficient without an hourly supply of fresh air, it is as much as can be expected under modern conditions. This belief is so prevalent that tenants seeking new quarters have heretofore considered advantages offered by the renting agents from every standpoint except that of ventilation. If the agent, in addition to the many valuable inducements that he offers, can add that each room will be supplied with the proper amount of fresh air without drafts or discomfort to the occupants, it will prove to be a valuable factor in his negotiations and perhaps the deciding argument that obtains a tenant for his building.

Owners and builders have long recognized that such an inducement would be of great value in rapidly renting their new buildings or in keeping their tenants from changing their quarters, but the excessive cost of placing mechanical apparatus in the cellars and basements and the cost not only of the ducts, but of the rentable floor space occupied by them, has made the matter of ventilation prohibitive in cost.

It is possible for a comparatively small amount of money to so install simple devices in each room that the proper amount of air can be delivered without causing discomfort to the occupants and without there being any upkeep or operating charges connected with it. A statement of this kind could not have been made two or three years ago, but much evidence is at hand to prove that these re-

sults are being obtained in a great number of offices in New York City with uniform satisfaction to the tenants of such offices.

Many surveys of offices in New York City have shown that where there are many office employees it is fair to assume that wages amounting to \$2,500 a year are paid to those receiving light from one window. It is a common practice in some of these offices to air the room by opening the windows at least four times a day and the figures furnished by the manager of one of these rooms show that the cost in wages for this method of ventilation is \$4 a day. This amounts to \$100 a month or \$600 for the six months of cool weather. The room in question can be properly ventilated for \$100; thus the saving in one month is sufficient to pay for the entire equipment.

Managers of large office forces have compiled statistics showing the loss to their companies occasioned by a cold of an employee, and they also have formed a fair idea as to the increased amount of work that can be obtained if the sleepy feeling late in the morning and late in the afternoon can be eliminated by the proper supply of fresh air to the rooms.

Much information is being furnished the public by those in charge of public schools, and especially the experts who are studying the physical and mental development of children. It has been found that the so-called

more difficult studies are taken up the first thing in the morning because the children do not seem to be mentally in condition to grasp them during the afternoon hours. Results, however, with the fresh air classes in which the children do their studying in rooms which are not heated, but are continually receiving air through the windows, demonstrate that the hardest subjects may be taught in the afternoon and that the students are as mentally active in the late hours of the day as they are in the early morning. These facts confirm the observations made by the managers of large office forces and point to a definite gain in amount and accuracy of the work if fresh air is continually supplied at proper temperature to the working force which is employed for many consecutive hours each day.

With the large amount of literature that is being published dealing with the advantage of a supply of fresh air, the movement to stamp out tuberculosis and recent newspaper articles by eminent scientists brought out by the prevalence of grip, the public is being educated on this subject. It seems possible that the time will come shortly when tenants will demand that their offices and workrooms must be properly ventilated, and owners and managers of buildings will be forced to face this situation if they wish to have their buildings rapidly and completely rented.—New York "Sun."

TWENTY-SECOND ARCHITECTURAL EXHIBITION

Annual Function of Philadelphia Chapter, A. I. A., and T-Square Club to Be Held in Art Club Galleries May 7th to May 28th—Some of the More Notable Local Designs That Will Be Shown—Out-of-Town Exhibitors—The Field of Applied Art, Accessories, Etc.

The twenty-second architectural exhibition of the Philadelphia Chapter, A. I. A., and T-Square Club will be held in the Art Club from May 7 to May 28. While it is not the intention of the committee in charge to make the exhibition a large one, the members promise it will be comprehensive and the exhibits of a high degree of excellence.

The exhibition will include original drawings, models and enlarged photographs of executed or proposed work illustrative of structural, decorative and landscape architecture. There will also be included sketches and paintings of decorative subjects and executed work in the applied arts. It is the hope to gather together in this exhibition the best architectural work of the year.

From out of town might be mentioned as of interest Cass Gilbert's Scott Fountain in Detroit, a monumental work of great importance. Also his Detroit Public Library. A

well designed country house near New York by Bertram G. Goodhue; also an interesting house by the same architect at Pasadena, Cal. There also will be large photographs fully illustrating the summer home of H. H. Rogers, at Southampton, L. I., Walker & Gillette, architects, of New York.

From Philadelphia of great local interest will be the model of the proposed development of the east bank of the Schuylkill River, between the Sedgeley Club and the Girard avenue bridge, under the direction of Edgar V. Seeler, architect, and Charles Grafy, sculptor.

Of further note will be the college work of Day & Klauder, examples of the work they have been commissioned to do for Wellesley College, Mass., and Cornell University; also a very interesting Christian Science church in Germantown, by the same architects; the winning design for the Carson College for Girls,

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by Albert Kelsey; the accepted design for the Camden High School, by Paul A. Davis, 3d; Penn Mutual Building, by Edgar V. Seeler, and numerous examples of domestic work for the excellence of which Philadelphia is justly celebrated.

In the realm of applied arts will be included many well-executed examples of iron-

work, by the well-known craftsman, Samuel Yellin, and fine examples of decorative tile by the Enfield Pottery and Tile Works; also cartoons for stained glass by the D'Ascenzo Studio and others. Of special interest will be found the examples of silk batik hangings designed by C. Bertram Hartman, of New York.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**The annual meeting of the National Fire Protection Association will be held in the auditorium on the 21st floor of the Insurance Exchange at Jackson and La Salle streets, Chicago, on May 9th, 10th and 11th this year. The program will be mailed to members in advance of the meeting. A large attendance is hoped for.

**V. R. Lamontagne has opened an office in the Merger Building, Quebec, Canada, for the practice of architecture and constructing engineering. Samples and catalogues of building materials and accessories are desired by A. G. Nosworthy, architectural engineer, care V. R. Lamontagne, Merger Building, Quebec, Canada.

**The Federal Radiator Co., New Castle, Pa., has been organized to take over the business of the Novelty Iron Co., Canton, Ohio, and the entire plant of the Novelty Iron Company has been moved to New Castle. In connection with this change the company states that it now has one of the most modern and best equipped factories in the country for producing steam and hot water heating apparatus.

**H. F. Wardwell, former home office manager, was appointed general sales manager of the Fenestra Division of the Detroit Steel Products Company, Detroit, Mich., the change taking effect February 1. He succeeded P. A. Smith, who recently resigned to engage in another line of business.

**Clarence L. Harding, architect, has moved his offices from the Woodward Building to 729 Fifteenth street, Washington, D. C.

**The National Electrical Contractors' Association of the United States will hold its annual convention at the Hotel McAlpin, New

York, July 18-22. Secretary, G. W. Duffield, 41 Martin Building, Utica, N. Y.

**C. C. Tallman, architect, 17 Dill street, Auburn, N. Y., has recently taken into partnership Benjamin F. Bells, who was formerly connected with Claude Bragdon, of Rochester. The new firm will conduct a general architectural practice under the name of Tallman & Betts.

**Harry Louis Meacham has recently opened an office for the practice of architecture at 39 Circuit avenue, Worcester, Mass., and is desirous of obtaining catalogs and samples from manufacturers of building materials.

**The National Association of Master Plumbers will hold its annual convention at Atlantic City, N. J., June 22. The headquarters will be at the Hotel Breakers. The program for this convention will be announced later.

**The Richmond Radiator Co., New York, has opened a new warehouse in Philadelphia, at American and Dauphin streets. The warehouse is a two-story building covering a site 80x80 feet, which the company has stocked with Richmond boilers and radiators.

**Merchant & Evans Co., Philadelphia, Pa., manufacturers and dealers in metals and other products, including the Star ventilators, celebrated the fiftieth anniversary of its founding by removing its general offices and warehouse to a new location on Washington avenue, Philadelphia, between Twentieth and Twenty-first streets. Here the company has erected a modern office and warehouse adjoining its former works. It also has plants in Philadelphia, Wheeling and Chicago. The company was founded in 1866 by Clark Merchant, a retired lieutenant-commander in the

United States Navy, under the name of Merchant & Co., dealing principally in brass, bronze and copper in all their forms as then manufactured, and trading also in tin plates and other metals that were imported from England or other foreign countries. Recently the company has gone into the manufacture of gasoline motor trucks and tractor trucks.

CEMENT AND CONCRETE NOTES

**An estimate of Portland cement produced in the United States in 1915, just made by Ernest F. Burchard, of the United States Geological Survey, indicate that the shipments from the mills amounted to 86,524,500 barrels, compared with 86,437,956 barrels in 1914; the production was about 85,732,000 barrels, compared with 88,230,170 barrels in 1914, and the stocks of finished cement at the mills were about 11,583,000 barrels, compared with 12,893,863 barrels in 1914. The slight decrease in production and the considerable decrease in stock indicate greater caution in the industry, which in the preceding few years showed a tendency toward overproduction.

**The Lehigh district, which produces nearly 30 per cent. of the domestic cement, shipped 24,500,000 barrels, produced 24,860,000 barrels and stocked 3,460,000 barrels in 1915, showing increases respectively of 2.2 per cent. 1 per cent. and 10.9 per cent. over the corresponding totals for 1914.

**New York State shipped 5,236,500 barrels, produced 5,097,000 barrels and held in stock 825,000 barrels. These figures represent decreases respectively of 4.3 per cent., 13.4 per cent. and 15.1 per cent. compared with 1914.

**Ohio and Western Pennsylvania shipped 7,400,000 barrels, produced 7,200,000 barrels and had 750,000 barrels in stocks.

**Michigan and Northeastern Indiana shipped 5,545,000 barrels, produced 5,550,000 barrels and held stocks of 650,000 barrels.

**Southern Indiana and Kentucky shipped 2,780,000 barrels, produced 2,840,000 barrels and had 490,000 barrels in stock.

**The Illinois and Northwest Indiana district shipped 10,825,000 barrels, produced 10,200,000 barrels and had stocks of 1,511,000 barrels.

**The Pacific Coast district showed shipments of 5,867,000 barrels, production of 5,712,000 barrels and had stocks of 880,000 barrels.

**Cement plants in Kansas, Nebraska, Oklahoma and central Texas showed total shipments of 6,546,000 barrels, production of 6,378,000 barrels and stocks of 786,000 barrels.

**In Colorado, Utah, Montana and Western Texas the shipments approximated 2,475,000 barrels, the production 2,525,000 barrels and the stocks 300,000 barrels.

**The general prices averaged a few cents lower per barrel in 1915 than in 1914, although toward the end of the year they were considerably higher. The statistics show that the general volume of business was about the same as in 1915, though it was not uniformly

distributed throughout the year. During the early part of the year the demand for cement was not great, and in some districts the industry was depressed during the summer by excessive rainfall, but in the last four months or more a decided change for the better has occurred both in demand and prices, so that the outlook for 1916 is brighter than for several seasons.

**Harold M. Scott, formerly connected with the Lehigh Portland Cement Company, has become salesmanager of the Edison Portland Cement Co., 1133 Broadway.

**In discussing the question, "Why is a barrel the unit of cement measure?" a writer in a late issue of "Concrete" comments as follows:

"The Standard Specifications for Portland cement, under General Conditions provide that:

"A bag of cement shall contain 94 lbs. of cement net, and each barrel of Portland cement four bags.

"The 400-lb. barrel originated at the time when all our Portland cement came from abroad and was actually packed in barrels. When we began to make Portland cement in this country we put it up in barrels weighing 400 lbs. gross. Later, when, as a matter of package conservation, we began to put it up in sacks, we ascertained the net weight per barrel and divided it by four.

"As will be seen from the specifications, the official unit of quantity is the bag or sack, which must contain 94 lbs. of cement. This being the standard unit of quantity as well as the unit in which nearly all cement is actually handled, why not make our prices, contracts, invoices, bills of lading, etc., read sacks or bags instead of barrels? In other words, why not price cement in cloth 35 cents per sack gross instead of \$1.40 per bbl. gross, and in paper 27½ cents per bag gross, instead of \$1.10 per bbl. gross?

"In tracing a quantity of cement from the time a quotation is made until the empty sack has been returned it will be seen that the figures are frequently converted from barrels to sacks, and sacks to barrels.

"A price is made and accepted. The order calls for barrels, but when it is sent to the mill, barrels are converted into sacks and sacks are loaded into the car. In making out the invoice, however, the sacks are converted into barrels, but when the consignee receives the car he converts the barrels on the invoice to sacks to check out the contents of the car. When the dealer's customer buys 10 bbls. of cement his order is converted to sacks and 40 sacks are delivered, but in invoicing the material the sacks are converted into barrels and the invoice calls for 10 bbls. The customer then changes this to sacks to make it correspond with the actual delivery.

"When the sacks are emptied the word 'barrel' seems to get out of our vocabulary and instead of calling 'four empty sacks' 'one empty barrel,' the sacks are called by their right name.

"Why should not prices, orders, contracts, invoices, bills of lading, etc., correspond with

our goods? This change may seem quite formidable and it would involve a change in the habit of thought of some people, principally the manufacturers of cement, but against the inconvenience of a few hundred people, we will have the convenience of hundreds of thousands of engineers, architects, inspectors, dealers, contractors, bookkeepers, farmers, teamsters, etc.

**The National Association of Mixed Manufacturers is made up of ten of the leading manufacturers of concrete mixers, and it was the rapid growth of the industry and the lack of standards that were responsible for the formation of the organization. President Capron has stated that the object of the association is to standardize the ratings of concrete mixers, to improve conditions in the field and to establish harmonious co-operation among manufacturers in the marketing of their products.

One of the first progressive moves undertaken by the members was the standardization of concrete mixer ratings, and after thorough investigation and discussion it was decided to adopt the wet batch.

This action has been indorsed by the American Concrete Institute, the American Society of Engineering Contractors, the Lehigh Portland Cement Co., the Universal Portland Cement Co., the Chicago Portland Cement Co., the Chicago Portland Cement Co., and A. N. Talbert, of the University of Illinois.

The officers are: President, H. M. Capron, president of the Marsh-Capron Manufacturing Co., Chicago, Ill.; treasurer, F. C. Wilcox, Foote Concrete Machinery Co., Chicago, Ill.; secretary, Harold E. Smith, the T. L. Smith Co., Milwaukee, Wis.

The association holds meetings every month, and one took place during the Cement Show, which was held in Chicago, February 12-19.

The efforts of this organization have received the hearty support of concerns and individuals interested in the welfare of the industry, and the move is evidently a step in the right direction.

NATION-WIDE BUILDING SLUMP.

High Material Prices Reflected in Fewer Buildings at Increased Cost.

Building activity throughout the country last month was less in volume than that of a year ago, but the cost was considerably greater. Reports to "Bradstreet's" journal from 107 cities show 18,721 permits filed during March, with an estimated value of building planned or permitted for of \$68,181,668, a decrease of 12.5 per cent. in permits, but a gain of 14.1 per cent. in value as compared with March a year ago. The returns are very irregular, as shown by the fact that every group of cities shows a decrease in permits, while all but two groups show gains in estimated expenditure. In the detailed list by cities, too, it is found that fifty-six cities show gains, while fifty-one show decreases from March a year ago.

For the first quarter of 1916 expenditures

aggregate \$177,600,265, a gain of 18.2 per cent. over the first quarter of 1915, which showed a loss of 11.2 per cent. from 1914.

Reports from individual cities show gains of 26.6 per cent. at New York (three boroughs reporting); Pittsburgh gains 75.6 per cent., Detroit 29.5 per cent., Toledo 34 per cent., Chicago 55 per cent., Milwaukee 5.5 per cent., St. Paul 29.4 per cent., Washington 121 per cent., and Los Angeles 26 per cent. Important cities showing decreases are Philadelphia 14.8 per cent., Cincinnati 32.6 per cent., Cleveland 54.3 per cent., and Minneapolis 28.9 per cent.

START WORK SOON ON NAVE OF EPISCOPAL CATHEDRAL.

Expected to Be Finished in Five Years and Cost \$3,000,000.

Work on the nave of the Episcopal Cathedral of St. John the Divine, in New York, says the "Engineering Record," which will be the largest church in the United States, will begin on May 8. The work is expected to take five years and to cost nearly \$3,000,000. The transepts, choir and crossing were completed some years ago.

The cost of the first stage of the new work is estimated to be about \$78,000, and it is hoped that contributions will have been plentiful enough by the time the first work is completed to authorize the continuance of the construction. The nave, when completed, will be 260 feet long, 135 feet wide and 160 feet high, with a single large chamber, the interior height of which will be 125 feet.

The cathedral was designed by Cram & Ferguson, architects, of New York, and the contract has been let to Jacobs & Young, also of New York.

\$89,000,000 IN NEW APARTMENTS.

Flat builders in the metropolitan district of which Manhattan is the centre filed plans this year for 2,570 new houses containing 43,580 apartments designed to accommodate 150,000 persons and costing \$89,000,000. This sum almost exactly equals the assessed valuation of all the taxable property of Lowell, Mass.—"New York World."

FIX UP YOUR BUILDINGS.

The spring renting season is now here, and owners of vacant buildings all want tenants. They should put their buildings in good condition, and tenants would be had much quicker. Every building owner seems afraid to spend anything on betterments until he is assured of a tenant. That is a safe plan, but it is not a sure one. Better buildings attract more tenants at better rates, and certainly improve the city's appearance.—New York "Record and Guide."

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

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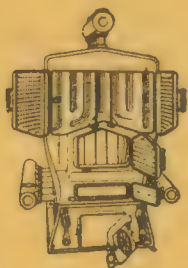


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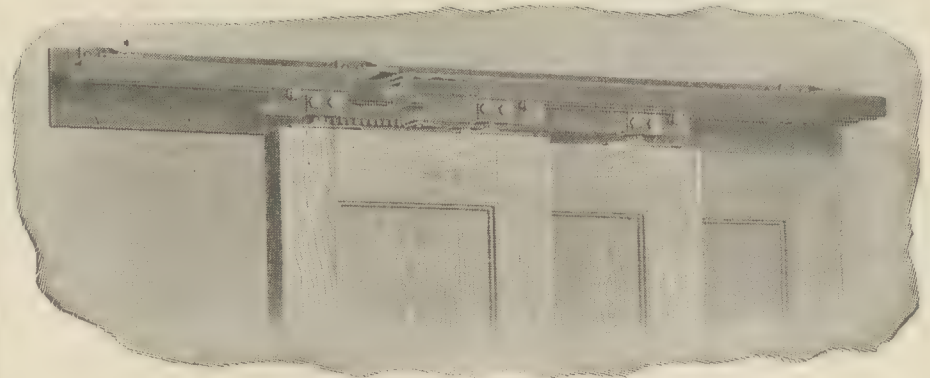
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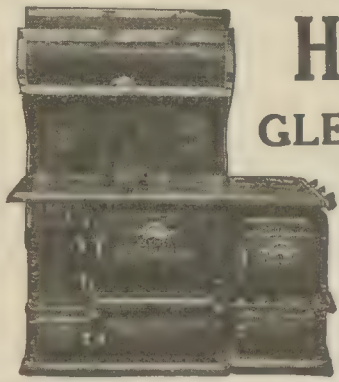
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Factory and Warehouse, 1729-31 Carpenter street. Architect, private plans. Owner, Alexander Di Santi, on premises. Brick, 2 stories, 32x80 feet, asphalt roof, yellow pine floors. Owner taking bids, due as soon as possible. The following are figuring: Chas. J. Appleton, Heed Building; Wm. J. Robinson, 1508 Lombard street; J. F. Trent, 2041 Master street, Philadelphia.

Apartment House (completeion), northeast corner Twenty-second and Walnut streets. Architects, Clinton & Russell, 32 Nassau st., New York City. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Brick, concrete and steel, 12 stories, consists of completion of entire interior, fireproof partitions, steam heating, electric lighting, plumbing, tile and marble work, plastering, painting, etc. Owners taking sub-bids on all lines, due April 28th.

Field Office Building, Nicetown, Philadelphia. Architect, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Brick, 2 or 3 stories, 48x36 feet, slag roof, iron stairs, metal lath, (heating, plumbing and electric work reserved). Owners have received bids.

Fire Tower, Eighteenth and Morris streets, Philadelphia. Architects, E. F. Durang & Son, 10 South Eighteenth street, Philadelphia. Owners, St. Thomas Aquinas Parochial School, Rev. P. J. Mullin, on premises. Brick and concrete, 4 stories, slag roof, metal lath, safety treads. Architects taking bids, due April 25th. The following are figuring: Wm. J. McShane, 417 South Thirteenth street; John McShain, 1610 North street; Wm. R. Dougherty, 1610 Sansom street; Sutton & Stephenson, 1317 Washington avenue.

Store Building, 1226 Race street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner,

name withheld. Brick and terra cotta, 2 stories, 20x100 feet, slag roof, steam heating, electric lighting, tile work, metal lath. Architect has received bids.

Gate House and Wall, Fairmount Park, Philadelphia. Engineer, Jesse F. Vodges, City Hall, Philadelphia. Owners, City of Philadelphia, Commissioners of Fairmount Park, Room 127 City Hall, Philadelphia. Consists of river wall and gate house at Zoological Gardens. Owners taking bids, due May 1st, at 2.30 P. M. Plans may be obtained at Room 127, City Hall, Philadelphia.

Temporary Fire House, Thirty-third and Spruce streets, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Geo. E. Datesman, Director, City Hall. Frame and stucco, 1 story, 75x17 feet and 17x32 feet, corrugated iron roof, metal lath, concrete foundations. Owners have received bids.

Garage, 3400 Race street, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, Walter M. Stein, on premises. Brick and plaster, 2 stories, 31x21 feet, slag roof, metal lath, cement floors (heating, plumbing and electric work separate bids). Architect has received bids.

Residence, Somnole avenue, St. Martin's, Philadelphia. Architect, Robert Rodes McGowan, 1422 Walnut street, Philadelphia. Owner, James Pollock, 3025 Seminole avenue, St. Martin's. Stone and timber, 3 stories, shingle roof, hot air heating, combination lighting, tile laths, hardwood floors. Architect has received bids.

Convent, Thirty-eighth and Spring Garden streets, Philadelphia. Architect, E. F. Durang & Son, 10 South Eighteenth street, Philadelphia. Owners, St. Agatha's R. C. Church, Rev. Michael C. Donovan, 8813 Spring Garden street, Philadelphia. Stone and brick, 3 stories, 45x136 feet, promanade tile and slate roof, hollow tile partitions, tile and marble (heating, plumbing and electric work separate bids). Architects have received revised bids.

Residence (alt. and add.), 3805 Locust st., Philadelphia. Architects, Edward F. Hoffman, Jr., and Furness, Evans & Co., Provident Build-

ing. Owner, Edward F. Hoffman, Pennsylvania Building, Philadelphia. Brick, 2 stories addition, 15x19 feet, slag roof, electric lighting (heating reserved). Architects have received bids.

Store Building, Front and Dauphin streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Armin A. Frankel, on premises. Tapestry bricks and terra cotta, 3 stories, 40x110 feet, slag roof, metal lath, waterproofing, tile work, marble floors, ornamental iron work, (heating and store fixtures reserved). Architects taking bids, due May 1st. The following are figuring: George Hogg, 1634 Sansom street; Thomas M. Seeds Co., 1207 Race street; Lam Building Co., 1001 Wood street; Freund-Siedenbach Co., Bulletin Building; Wm. R. Dougherty, 1610 Sansom street; Sutton & Stephenson, 1317 Washington avenue; Stewart Bros., 2526 North Orkney street, and G. J. Reich, 1112 Loudon street, Philadelphia.

Warehouse and Office, Second and York streets, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, Stelwagon Mfg. Co., Nineteenth and Washington avenue, Philadelphia. Brick, 1 story, 60x110 feet, slag roof, oak floors (heating and electric work reserved). Architects have received bids.

Hotel (add.), southeast corner Twelfth and Pine streets, \$14,000. Architect, private plans. Owner, A. Scott, on premises. Brick and terra cotta, 4 stories, 25x60 feet, slag roof, electric lighting, plumbing, marble work, tile work, hardwood floors (vapor vacuum heating separate bid). J. Rose & Son, 5121 Brown st., are taking sub-bids.

Survey Office (alt. and add.), Church street, Frankford, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Public Works, Geo. E. Datesman, Director, City Hall, Philadelphia. Brick, 2 stories, slag roof, oak floors, metal ceilings (heating and concrete work separate bids). Owners have received bids.

Boiler Supports, Lardners Point, Philadelphia. Engineer, private plans. Owners, City of Philadelphia, Bureau of Water, City Hall. Consists of concrete and steel, supports and

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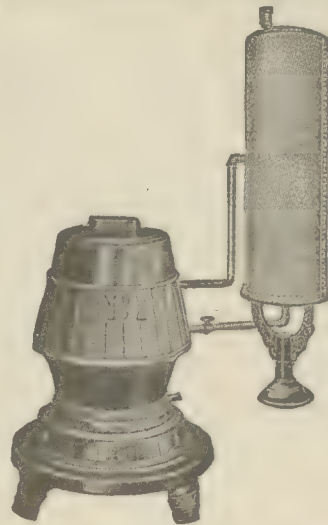
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foundations for boilers. Owners have received
bids.

Residences (12), Boulevard and Blavis ave-
nue, Philadelphia. Architect, private plans.
Owner, S. Lashner, Fifth and Morris streets.
Brick, 2 stories, 15x45 feet, slag roof, hot
water heating, combination lighting, hard-
wood floors. Plans in progress.

Residences (15), Boulevard between Broad
and Old York road. Architects, Magaziner &
Potter, 603 Chestnut street, Philadelphia.
Owner, G. J. Reich, 1112 Loudon street, Phila-
delphia. Brick, 3 stories, 16x69 feet, Spanish
tile roof, hot water heating, combination light-
ing, hardwood floors. Owner taking sub-bids.

Factory, 113 and 115 North Broad street,
Philadelphia. Architect, Max Haupt, Drexel
Building, Philadelphia. Owners, Louis Brody
& Co., 121 North Second street. Brick, 5 stor-
ies, 52x81 feet, slag roof, roof ventilators,
fire doors, metal sash, yellow pine floors,
(plumbing, heating, electric work, elevator
and sprinklers reserved). Owners have re-
ceived bids.

Gardener's Cottage and Garage, Chestnut
Hill, Philadelphia. Architects, Brockie &
Hastings, 1713 Sansom street, Philadelphia.
Owner, Joseph L. Woolston, W. Chestnut ave-
nue, Philadelphia. Stone and plaster, 2 stor-
ies, 21x85 feet, tile roof, electric lighting,
waterproofing, metal lath, pine floors, fire
doors, metal weather strips, tile work (heat-
ing separate bids). Architects have received
bids.

Bag and Truck House, Fern Rock, Philadel-
phia. Engineer, S. T. Wagner, Reading Termi-
nal. Owners, Phila. & Reading Railway Co.,
Reading Terminal. Lessee, Edward L. Taylor,
on premises. Stone and frame, 1 story, 47x
28 feet, slag roof, hot water heating. Owners
have received bids.

Residence, St. Martins, Philadelphia, \$18,-
000. Architects, Duhring, Okie & Ziegler,
Bailey Building, Philadelphia. Owner, Dr.
George Woodward, North American Building.
Lessee, John M. Reynolds, 300 Chestnut street,
Philadelphia. Stone, $2\frac{1}{2}$ stories, 40x85 feet,
slate roof, hardwood floors, tile work, electric
lighting (heating and plumbing separate
bids). Plans about completed. Architects
will take bids in a few days.

Garage, 6809 and 6811 Greenway avenue.
Architect, private plans. Owner, Robert Mc-
Allister, 36 North Delaware avenue. Brick, 1
story, 40x100 feet, slag roof, steam heating,

electric lighting, cement floors. Owner has re-
ceived bids.

Parochial School (alt. and add.), Twenty-
third and Mifflin street. Architect, George I.
Lovatt, 418 Walnut street, Philadelphia. Own-
ers, St. Edmund's R. C. Church, Rev. John J.
Greensill, 1909 South Twenty-third street.
Granite, 2 stories, tile work (heating, plumb-
ing, electric work separate bids). Architect
taking bids, due May 3rd. The following are
figuring: Doyle & Co., 1519 Sansom street;
William R. Dougherty, 1610 Sansom street;
William J. McShane, 417 South Thirteenth
street; Melody & Keating, Bailey Building;
Bailey-Lush Co., 201 North Broad street; Jo-
seph Bird Co., 213 North Eleventh street,
Philadelphia.

Home Building (alt. and add.), Thirty-fifth
and Fairmount avenue. Architects, E. F. Du-
rang & Sons, 10 South Eighteenth street, Phila-
delphia. Owners, House of Good Shepherd,
on premises. Consists of general alterations
and additions. Architects ready for bids.

Chapel and Rectory, Mascher and Master
streets, Philadelphia. Architect, Peter F.
Getz, 1634 North Sixth street, Philadelphia.
Owners, Sacred Heart R. C. Church, care of
Rev. Fancis Tomanyi, 1425 Kensington ave-
nue. Brick, stone trimmings; chapel, 2 stor-
ies, 48x68 feet; rectory, 2 stories, 16x50 feet;
slag roof, pine floors, metal lath, waterproof-
ing, iron stairs (heating, plumbing and elec-
tric lighting separate bids). Architect tak-
ing bids, due April 26th. Melody & Keating,
Bailey Building, are figuring.

Parochial School, Fifth and Girard avenue,
Philadelphia. Architects, Ballinger & Perrot,
1700 Arch street, Philadelphia. Owners, St.
Peter's R. C. Church, Rev. Francis Auth, C.
SS. R. Consists of modernizing old school,
addition of 8 class rooms, teachers' rooms,
new toilet rooms, etc., brick, granite veneer.
Architects taking bids, due May 2nd. The
following are figuring: Jacob Myers & Sons,
Witherspoon Building; William J. McShane,
417 South Thirteenth street; John McShain,
1610 North street; H. E. Baton, Twelfth and
Sansom streets; William R. Dougherty, 1610
Sansom street; Ketcham & McQuade, 1029
Brown street; Melody & Keating, Bailey
Building; A. Raymond Raff Const. Co., 1635
Thompson street; Irwin & Leighton, 126 North
Twelfth street, and Cramp & Co., Denskla
Building, Philadelphia.

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Machine Shop, Nicetown, Philadelphia. Engineer, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Reinforced concrete, brick and steel, 3 stories, 80x500 feet, slag roof, blower system of heating, fire doors, steel sash, iron stairs, safety treads (electric work reserved). Owners taking bids, due May 1st. The following are figuring: Barclay White & Co., Perry Building; Irwin & Leighton, 126 North Twelfth street; Turner Concrete Steel Co., 1713 Sansom street, and Wm. Steele & Sons Co., 1600

Stores (alts.), 412 and 414 Market street, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner's name withheld. Brick, consists of new bulks and interior alterations, steam heating, electric lighting, metal lath, parquet floors. Architects taking bids, due April 26th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Freund-Siedenbach Co., Bulletin Building; Ketcham & McQuade, 1029 Brown street; Barclay White & Co., Perry Building; George Hogg, 1634 Sansom street, Philadelphia.

Store Building, 851 North Broad street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Edward M. Harris, 50 North Twenty-third street, Philadelphia. Brick and terra cotta, 2 stories, 30x120 feet, slag roof, steam heating, electric lighting. Architect taking bids, due April 29th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Lam Building Co., 1001 Wood street; Philip Hai-bach Contracting Co., Twenty-sixth and Thompson streets; George Hogg, 1634 Sansom street; H. E. Baton, Twelfth and Sansom sts.; McCloskey & Bahls, Hale Building; Stacy Reeves & Sons, 2011 Market street, all of Philadelphia.

Residence, Germantown, Philadelphia. Architect, Andrew C. Borzner, 721 Walnut st., Philadelphia. Owner, Harold C. Paine, 401 West School House lane. Hollow tile and plaster, 2½ stories, 27x40 feet; wing, 16x24 feet, slate roof, hot water heating, electric lighting, tile work. Plans completed. Architect ready for bids.

Department Store (alts.), Eighth and Market streets, Philadelphia. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owners, Strawbridge & Clothier, on premises. Consists of interior alterations. Architect taking bids, due April 27th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Smith-Hardican Co., 1606 Cherry street; Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Loft Building, Nicetown, Philadelphia. Architect, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Reinforced concrete and brick, 4 stories, slag roof,

steam heating, electric lighting, steel sash. Plans in progress.

Store Building, southeast corner of Thirteenth and Commerce streets. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Reinforced concrete, brick and terra cotta, 2 stories, 60x75 feet, slag roof, steam heating, electric lighting, metal lath, composition floors, elevator, steel sash, fire doors, tile work. Architect taking bids, due May 1st. The following are figuring: P. J. Hurley, 1233 Cherry street; E. J. Kreitzburg, 1345 Arch street; Warren, Moore & Co. Commercial Trust Building; Cramp & Co., Denckla Building; Charles J. Appleton, Heed Building; D. Heewood, 1509 Wood street; Smith-Hardican Co., 1606 Cherry street, Philadelphia.

Warehouse (add.), Delaware avenue and Walnut street, \$400,000. Architect, private plans. Owners, Webb Terminal Warehouse Co., 116 Chestnut street. Reinforced concrete, brick and terra cotta, 9 stories, 136x150 feet, slag roof, steam heating, asphalt floors, metal lath, waterproofing and dampproofing, safety treads, steel sash, kalamein doors, fire doors. Builders, Irwin & Leighton, 126 North Twelfth street, Philadelphia, are taking sub-bids, due April 27th.

Playground, Seventeenth and Catharine streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, No. 587, City Hall. Swimming pool, asbestos shingle and slag roofs, iron fences, reinforced concrete work (plumbing and electric work separate bids). Owners taking bids, due May 4th, at noon. Plans may be obtained from architect on deposit of \$25.00. The following are figuring: W. W. Anstine & Co., 1218 Filbert street; M. & J. B. McHugh, 892 North Markoe street; F. W. Van Loon, Denckla Building; Mitchell Bros., 2125 Race street; Wm. Linker Co., 831 Cherry street, Philadelphia.

Recreation Buildings, Carpenter street, near Front street. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, 587 City Hall. Brick, 1 story, 47x41 feet, asbestos shingle, slate and slag roof, metal lath, roof ventilators, iron fences (plumbing, heating and electric work separate bids). Owners taking bids, due May 4th at noon. Plans may be obtained from architect on deposit of \$25.00. The following are figuring: W. W. Anstine & Co., 1218 Filbert street; M. & J. B. McHugh, 892 North Markoe street; F. W. Van Loon, Denckla Building; Mitchell Bros., 2125 Race street; Wm. Linker Co., 831 Cherry street, Philadelphia.

Playground, Twenty-sixth and Morris sts. Architect, Philip H. Johnson, Land Title

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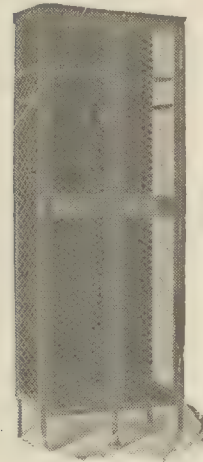


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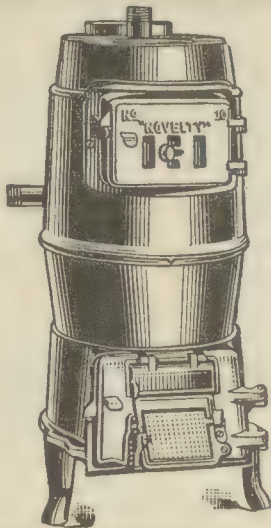
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Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, 587 City Hall. Consists of swimming pool, asbestos shingle and slag roof (plumbing and electric work separate bids). Owners taking bids, due May 4th at noon. Plans may be obtained from architect on deposit of \$25.00. The following are figuring: W. W. Anstine & Co., 1218 Filbert street; M. & J. B. McHugh, 892 North Markoe street; F. W. Van Loon, Denckla Building; Mitchell Bros., 2125 Race street; Wm. Linker Co., 831 Cherry street, Philadelphia.

Residence (alt. and add.), East Gravers lane. Architect, Horace Trumbauer, Land

Title Building, Philadelphia. Owner, Arthur H. Lea, Drexel Building, Philadelphia. Stone, 2½ stories. Consists of general interior alterations and additions, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in a few days.

Factory, Sepviva and Butler streets, Philadelphia. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owners, Belmont Packing and Rubber Co., 133 North Second street. Brick, 2 stories, 80x130 feet, slag roof, steam heating, electric lighting, elevator. Plans in progress. Architect will take bids in about one week.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store (alt.), Sixtieth and Haverford avenue, \$1,500. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, Herman Switt, 6163 Woodland avenue, Philadelphia. Consists of general interior alterations, electric lighting, mineral flooring. Contract awarded to Wm. N. Wyatt, 62 North Sixty-first street, Philadelphia.

Store (alt. and add.), 919 Girard avenue, Philadelphia, \$2,500. Architect, private plans. Owner, L. S. Reise, on premises. Brick, 2 stories, 36x20 feet, slag roof, electric lighting. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

Factory (add.), 410 to 416 North Third st., Philadelphia, \$75,000. Engineers, Geo. F. Pawling Co., 1432 South Penn Square, Philadelphia. Consulting engineers, Purcell & Emslie, Chicago, Ill. Owners, Alexander Bros. on premises. Reinforced concrete and brick, 4 stories addition, 88x37 feet, on front of present building; 5 stories addition, 90x72 feet, on rear of present building, slag roof. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street.

Factory Building, Fifty-fourth and Paschall avenue, \$12,000. Architect, H. C. Eisonbise, Pennsylvania Building, Philadelphia. Owner, Joseph K. Marshall, 8 South Second street, Philadelphia. Brick, 1 story, 50x150 feet, slag roof (heating reserved), electric light-

ing. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

Store (alt.), 1624-26 Columbia avenue, \$4,000. Architect, A. F. Schenck, Real Estate Trust Building, Philadelphia. Owner, Rowley W. Pegley, on premises. Consists of new store front and interior alterations. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street. Plumbing, heating, electric lighting, etc., reserved by owner.

Residence and Garage, Fern Rock, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, W. Edward Morton, Melrose, Pa. Frame, 2½ stories, 38x34 feet; garages (2), 31x20 feet, shingle roof, electric lighting, tile work, hardwood floors (warm air heating reserved). Contract awarded to W. John Stevens, Wyn-cote, Pa.

Twin Residences (4), St. Martins, Philadelphia, \$35,000. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Ston, 2½ stories, shingle roof, hot air heating, electric lighting, pine floors, tile work. Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

Boys' High School, northeast corner of Forty-ninth and Chestnut streets, \$100,000. Architects, E. F. Durang & Sons, 1200 Chestnut street, Philadelphia. Owner, Archbishop

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725-26 Commercial Trust Building, Philadelphia

Prendergast, Eighteenth and Race streets, Philadelphia. Stone, 3 stories and basement, fireproof, will contain gymnasium, auditorium, 24 class rooms, etc., slag roof, steam heating, electric lighting. Contract awarded to John P. McShaine, 1610 North street, Philadelphia.

Garage and Stable (alt. and add.), 1725 North street and Twentieth and Washington avenue, Philadelphia, \$8,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Lit Brothers, Eighth and Market streets, Philadelphia. Consists of interior alterations, reinforced concrete and Barrett's roof, fire doors (heating and

electric work reserved). Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Bank Building, 1431 and 1433 Chestnut st., \$100,000. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Logan Trust Co., on premises. Granite, limestone and steel, fireproof, 4 stories, 37x95 feet, Barrett's roof, waterproofing, metal lath, metal sash, dumb waiters, iron stairs, tile and marble work (elevators, heating, electric work and bank fixtures reserved). Contract awarded to George A. Fuller Co., Widener Building, Philadelphia.

PENNSYLVANIA Construction News

High School, Kutztown, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. C. Bordur, secretary, Kutztown. Brick and stone, 3 stories, 85x100 feet, slag roof, hot air heating, electric lighting, reinforced concrete and wood floors, waterproofing, auditorium and gymnasium. Plans in progress.

Auto Display Warehouse (alt. and add.), Reading, Pa. Architect, Edw. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, Ed. S. Youse Co., 46 North Fifth street, Reading, Pa. Brick, 2 and 3 stories, 30x38 feet, electric lighting. Owners are sub-letting contracts.

Fire Hall, Newmanstown, Pa., \$10,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Fire Company No. 1, Newmanstown, Pa. Brick, 2 stories, 42x120 feet, slag roof, steam heating, electric lighting, concrete floors, metal lath, damp-proofing. Plans in progress.

Residence, Bern Township, Penna., \$12,000. Architect, J. E. Hickman, 119 South Fifth st., Reading, Pa. Owner, Theodore Heizmann, 318 North Fifth street, Reading, Pa. Hollow tile and stucco, 2 stories, 45x70 feet, slate or tile roof, steam heating, electric lighting, tile and hardwood floors, damp-proofing. Plans in progress.

School, Topton, Pa. Architect, Geo. L. Gerhard, 510 Penn street, Reading, Pa. Owners, Lutheran Orphan's Home, Topton, Pa. Brick, 2 stories, 2x70 feet; annex, 13x13 feet, slate roof, steam heating, electric lighting. Owners taking bids, due May 1st.

Church (superstructure), Steelton, Pa., \$22,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Mary's (Croatian) R. C. Church, Rev. A. Zuvich, Steelton, Pa. Brick, 1 story, 50x100 feet, slate roof, steam heating, electric lighting. Owners taking bids, due May 3d. The following are figuring: J. L. Kuhn & Co., Stapf & Denfer and E. E. Wagner, all of Harrisburg, Pa.; H. C. Wright, Steelton, Pa.; and D. S. Warfel, Lancaster, Pa.

Residence, Oak Lane Park, Pa. Architects, Neff & Thames, Heed Building, Pa. Owner, L. E. Brooks, 1918 North Thirty-second street, Philadelphia. Stone, 2½ stories, 39x27 feet, slate roof, electric lighting, oak floors, tile

work (plumbing, heating and metal weatherstrips reserved). Architects had received bids.

Residence, Drexel Hill, Philadelphia. Architect, Francis R. Bacon, Lansdowne, Pa. Owner, Walter Hall, care architect. Frame and plaster, 2 stories, 22x33 feet, shingle and tin roof, hot water heating, electric lighting, oak doors, metal lath, waterproofing. Architect has received bids.

Garage, Seventh and Market streets, Chester, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Gallagher Bros., Chester, Pa. Reinforced concrete, brick and terra cotta, 3 stories 70x100 feet, slag roof, steam heating, electric lighting, waterproofing and damp-proofing, electric elevator, fire doors, roof ventilators, steel sash. Architects taking bids, due April 29th. The following are figuring: Alexander Chamberly, 24 South Tenth street; Charles McCaul Co., 1713 Sansom street; James B. Flounders, 1329 Arch street, Philadelphia; Nolan Bros., Chester, Pa.; Flounders Bros., Media, Pa.

Garage, Cynwyd, Pa. Architect, private plans. Owner, E. S. De Long, Cynwyd, Pa. Frame, 2 stories, 29x21 feet, shingle roof, electric lighting (heating reserved). Owner taking bids, due as soon as possible. A. L. Fretz & Son, 1222 Chancellor street, Philadelphia, are figuring.

Academy Building (alts.), Villa Nova, Pa. Architects, E. F. Durang & Son, 10 South Eighteenth street, Philadelphia. Owners, Villa Nova College (Tolentine Academy), Rev. Nicholas J. Murphy, Villa Nova, Pa. Consists of refacing entire building, 3 stories, granite and terra cotta, tin roof. Revised plans in progress.

Church, West Chester, Pa. Architect, Wesley L. Blithe, 603 Chestnut street, Philadelphia. Owners, M. E. Church of West Chester, Rev. Jay Dickinson, West Chester, Pa. Stone, 1 story, 90x116 feet, slate roof (heating, plumbing and electric work reserved). Architect taking bids, due May 1st. The following are figuring: Harry W. Farra, Bradley & Hoopes, C. E. Baldwin, Wm. J. H. Jones, Jos. M. Burns, P. E. Jefferis, all of West Chester, Pa.

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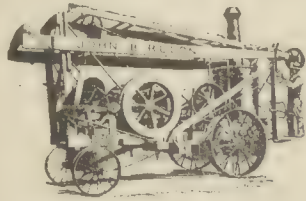
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Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Thomas E. Brown, Wyncote, Pa. Stone, 2 stories, slag roof, concrete and cement floors, electric lighting (heating and plumbing reserved). Architects taking bids, due April 28th. The following are figuring: Specht & Sperry, Heed Building; Joseph Bird Co., 213 North Eleventh street, Philadelphia.

Residence, Ridley Park, Pa. Architect, Herman Hulme, 1524 Chestnut street, Philadelphia. Owner, J. E. Brandt, Ridley Park, Pa. Hollow tile and stucco or stone, 2½ stories, 41x31 feet, tile roof, oak floors, tile work, electric lighting (heating and plumbing separate bids). Architect taking bids, due April 29th. The following are figuring: H. E. Grau Co., 1707 Sansom street; Pomeroy Construction Co., 1609 Ranstead street; James B. Flounders, 1329 Arch street; F. B. Davis, 240 North Sixteenth street; Frank E. Wallace, 1220 Chancellor street, Philadelphia.

Residence, Wayne, Pa., \$6,000. Architect, F. G. Caldwell, St. Girard Building, Philadelphia. Owner, James K. Stone, De Long Building, Philadelphia. Stone, frame and plaster, 2½ stories, shingle roof, hot water heating, electric lighting, oak floors, tile work. Architect taking additional bids. Specht & Sperry, Heed Building, are figuring.

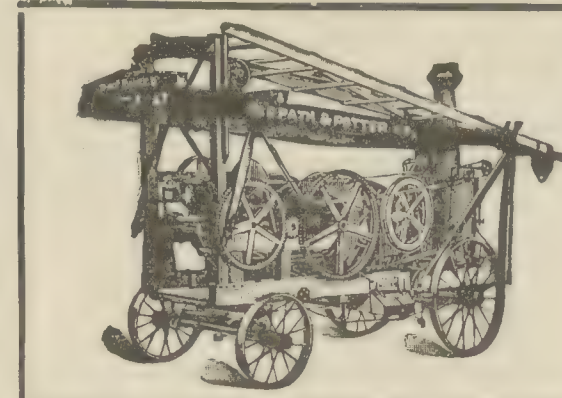
Nurses' Home (add.), Scranton, Pa. Architect, R. W. Snyder, Title Guarantee Trust Building, Scranton. Owners, Moses Taylor Hospital, Miss Grant, superintendent, Scranton. Brick, 3 stories, 37x46 feet, slate roof, steam heating, electric lighting. Plans in progress.

Garage and Storage, Olyphant, Pa., \$5,000. Architect, J. J. Howley, Trades Bank Building, Scranton, Pa. Owner, J. B. Jorden, Olyphant, Pa. Reinforced concrete and brick, 2 stories, 30x40 feet, slag roof, hot water heating, electric lighting, reinforced concrete floors, metal sash. Plans in progress.

Church, Taylor avenue and Gibson street, Scranton, Pa., \$50,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners, Catholic Church, care of Rev. Michael J. Hoban, Scranton. Stone, brick and steel, 1½ stories, 60x130 feet, slate roof, steam heating, electric lighting, waterproofing. Plans in progress. Ready for bids June 1st.

Apartment House, Wilkes-Barre, Pa., \$15,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre. Owner, John Luksie, Wilkes-Barre, Pa. Brick, terra cotta and steel, 3 stories, 30x86 feet, slag roof, steam heating, electric lighting, iron stairways, dumb waiters. Architect taking bids, due May 6th.

High School, Carbondale Heights, Pa., \$150,000. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Board of Education, Carbondale, Pa. Brick, 3 stories, slate and composition roofing, steam heating, electric lighting, metal lath. Owners tak-

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ing bids, due April 28th. The following are figuring: M. Stipp, Washburn Williams Co., Boland Bros., Breig Bros., Peter Stipp, all of Scranton, Pa.; Ferguson Iron and Steel Works, Buffalo, N. Y.; Schmitt & Co., H. Mailander, Kehoe & Mowery, E. T. Long & Co., all of Wilkes-Barre, Pa.; P. J. Hurley, 1233 Cherry street, Philadelphia; J. A. Hoole, P. F. Caviston, E. L. Buckland and Joseph Holt, all of Carbondale, Pa.

Parish House, Clark Summit, Pa. Architect, J. J. Feeney, Scranton, Pa. Owner, Rev. E. J. Flood, Clark Summit, Pa. Frame, 2 stories, 34x36 feet, shingle roof, hot water heating, electric lighting. Architect taking bids, due May 4th. The following are figuring: Ackerson & Thomas, Hyde Park, Pa.; Summit Lumber Co., Clark Summit, Pa.; Stender Bros., Breig Bros., James Neiland, M. P. Judge and Toney Carney, all of Scranton, Pa.

Residence, Scranton, Pa. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Henry Brown, Scranton, Pa. Frame and stucco, 2½ stories, 28x44 feet, asbestos roof (steam heating and plumbing reserved), electric lighting, tile and hardwood floors, waterproofing and dampproofing. Architect taking bids, due April 29th. The following are figuring: Hower & Stender, A. Kerney, Peek Lumber Co., Stender Bros., T. F. Peck & Co., Washburn & Williams, and the Hagen Lumber Co., all of Scranton, Pa.

Warehouse, Pittston avenue and Willows street, Scranton. Architect, F. J. Miller, People's Bank Building, Scranton, Pa. Owner, A. F. Westfahl, 629 Pittston avenue, Scranton, Pa. Brick and steel, 2½ stories, 38x40 feet, slag roof, steam heating, electric lighting, steel ceilings and elevator. Architect taking bids.

Twin Residence, North Main avenue, Scranton, Pa. Architect, F. J. Miller, People's Bank Building, Scranton, Pa. Frame, 2½ stories, 36x48 feet, slate roof, steam heating, electric lighting. Architect taking bids.

Store and Apartments, Forest City, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Timothy Killacullen, Forest City, Pa. Frame, 2 stories, 25x55 feet, slag roof, hot water heating, electric lighting. Architect taking bids, due May 1st.

Church, Malvern, Pa., \$50,000. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Patrick's R. C. Church, Rev. John H. Martin, Malvern, Pa. Stone, 1 story, 49x112 feet, tile roof, electric lighting, pine floors (heating reserved). Architect taking bids, due May 2nd. The following are figuring: Melody & Keating, Bailey Building; William R. Dougherty, 1610 Sansom street; F. J. Colgan, 2205 North Broad street; Joseph H. Maguire, Wayne, Pa.

Residence, Ardmore, Pa. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, Dr. Percival Nicholson, Ardmore, Pa. Hollow tile and plaster, 2½ stories, 35x43 feet, slate roof, hot water heating, electric lighting, oak floors. Architect taking bids, due April 24th. The following are figuring: R. C. Ballinger & Co., 218 North Thir-

teenth street, Philadelphia; W. D. Smedley, Narberth, Pa.; Charles T. Moore, Lansdowne, Pa.

Apartment House, 400 Block, Arthur avenue, Scranton, Pa., \$10,000. Architect, John B. Thomson, 717 Connell Building, Scranton, Pa. Owner, George Meher, Scranton, Pa. Frame and stucco, 2 stories, 35x56 feet, shingle roof, steam heating, electric lighting, waterproofing. Architect taking bids, due May 3rd.

Store and Flat (alt.), Scranton, Pa., \$6,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Pio Augilitti, 1700 Pittston avenue, Scranton, Pa. Brick, 2 stories, 25x50 feet, slag roof, steam heating, electric lighting, marble floors. Architect taking bids, due May 1st. The following are figuring: Boland Bros., Peter Stipp, Nay Aug Lumber Co., A. Karney, Polumbo & Kroft, all of Scranton, Pa.

Residence and Garage, Merion, Pa., \$20,000. Architects, Druckenmiller & Williams, Land Title Building. Owner, Dr. G. A. Van Lennep, 1825 Chestnut street, Philadelphia. Stone, 2½ stories, 59x38 feet; wing 22x18 feet; slate roof, vapor heating, electric lighting, oak floors, tile work, metal lath. Architects taking bids, due April 26th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; E. J. Hedden, Finance Building; Milton W. Young, Overbrook, Pa.; Alfred James, Bala, Pa.

Apartment House and Garages (12), Wilkes-Barre, Pa., \$200,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owner, C. J. Capwell, Wilkes-Barre, Pa. Brick and steel, 7 stories, 138x104 feet; garages, brick, 1 story, 22x18 feet, slag roof, steam heating, electric lighting, tile and hardwood floors, marble work, two passenger elevators, dumb waiters, refrigerating system, fire stairs. Plans in progress.

Lumber Sheds, Wilkes-Barre, Pa. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Lehigh and Wilkes-Barre Coal Co., Wilkes-Barre, Pa. Corrugated iron, 2 stories, 30x300 feet. Architects have received bids.

Business Building and Apartments (2) (alts.), Ashley, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, E. Glynn, Ashley, Pa. Frame, 3 stories, slag roof, consists of four new store fronts, etc. Plans in progress.

Apartment House, Scranton, Pa., \$13,000. Architect, J. J. Feeney, Coal Exchange Building, Scranton, Pa. Owner, Mrs. Thomas Jordan, 1602 Capouse avenue, Scranton. Frame and stucco, 3 stories, 35x65 feet, slag roof, steam heating, electric lighting, waterproofing. Plans in progress.

Residence, Elkins Park, Pa., \$8,000. Architect, F. T. Uezzell, 147 North Third street, Philadelphia. Owner, Wm. P. Jendryk, 2067 Cheltenham avenue, Philadelphia. Stone, 2½ stories, 27x42 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in one week.

Residence and Garage, Chester, Pa. Architect, Frank Seeburger, Pennsylvania Build-

ing, Philadelphia. Owner, C. M. C. Lewis, Chester, Pa. Stone, 2½ stories, 35x40 feet, slate roof, hot water heating, electric light-

ing, tile work, hardwood floors. Plans in progress. Architect will take bids in about ten days.

PENNSYLVANIA Contracts Awarded

Residence, Wyomissing, Pa., \$12,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Max Mittendorff, Wyomissing, Pa. Brick, 2½ stories, 39x60 feet, slate roof, vapor heating, combination lighting, tile, hardwood and reinforced concrete floors, waterproofing. Contract awarded to Geo. A. Koch, Reading, Pa.

Sunday School (add.) and Church (alt. and add.), Hecktown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Dryland Union Lutheran and Reformed Church, Rev. J. A. Klick, Nazareth, Pa. Brick and stone, 1½ stories and balcony, 60x50 feet, slate roof, steam heating, electric lighting, maple floors, waterproofing. Contract awarded to C. F. Schwartz, Bethlehem, Pa.

Apartment, 952 North Tenth street, Reading, Pa., \$10,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Nicholas De Temple Estate, Howard De Temple, manager. Brick, 4 and 3 stories, 100 x20 feet, tin and slate roof, hot water heating, combination lighting, tile floors, waterproofing. Contract awarded to Samuel Sherman, Reading, Pa.

Residence, 114 North street, Reading, Pa., \$5,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Leo F. Lauter, Reading, Pa. Brick, 2½ stories, 28x0 feet, slate roof, hot water heating, electric inthgilg, tile floors. Contract awarded to Wm. R. Fromm, Reading, Pa.

Bank and Office Building (rebuilding), Tamaqua, Pa. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owners, Tamaqua National Bank, Tamaqua, Pa. Brick, terra cotta and steel, reinforced concrete floors, 3 stories, composition and slate roof, metal sash, metal doors, iron stairs, tile and marble work, vault doors, oak floors, composition flooring, metal lath (plumbing, heating electric work and banking fixtures separate bids). Contract awarded to Geo. W. Stiles Const. Co., 209 South La Salle street, Chicago, Ill.

Armory, West Chester, Pa., \$34,340. Architects, Philip H. Johnson, Land Title Building. Owners, State Armory Board, care Maj. Benj. Demming, Harrisburg, Pa. Brick, limestone trim, 1 and 2 stories, 65x90 feet, slag roof, metal lath, dampproofing, terrazzo, marble and tile work, steel lockers (heat, plumbing and electric work separate bids). Contract awarded to Henry L. Brown, 1714 Sansom street, Philadelphia.

Knitting Mill (add.), Royersford, Pa. Architects, Edwin B. Lewis & Co., Lansdowne, Pa. Owner, E. C. Batlack, President, Progressive Knitting Mills, Royersford, Pa. Brick, 2 and 4 stories, consists of 2 additional stories on present building, 3 4-story wings, slag roof, steam heating, electric lighting. Contract

awarded to Lansdowne Construction Co., Lansdowne, Pa.

Residences (45), Marcus Hook, Pa. Architects, Ballinger & Perrot, 1211 Arch street, Philadelphia. Owners, American Viscose Co., Marcus Hook, Pa. Brick, 2½ stories, 24x33 feet, electric lighting, hot air heating. Contract awarded to Harry Brocklehurst, 512 W. Norris street, Philadelphia.

Hotel Terrace (alt. and add.), Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Bonnell & Delaney, Vine and Wyoming avenue, Scranton, Pa. Consists of general interior alterations and additions. Contract awarded to Hower & Stender, Madison avenue and Ash street, Scranton, Pa.

Store and Apartment, Scranton, Pa., \$12,000. Architect, John J. Feeney, Coal Exchange Building, Scranton, Pa. Owners, Mastri Bros., 1530 Pittston avenue, Scranton, Pa. Brick and frame, 2 stories, 46x66 feet, slag roof, steam heating, electric lighting, maple floors, dampproofing. Contract awarded to Craig Bros., Scranton, Pa.

High School, Shenandoah, Pa., \$100,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre. Owners, Board of Education, John Cuff, secretary. Brick, stone and steel, 2 stories, 26x150 feet, slag roof, blower system of heating, electric lighting, tile and hardwood floors, metal lath, ventilators. Contract awarded to John O'Hara, Shenandoah, Pa.

Apartment House, Wilkes Barre, Pa., \$8,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre. Owners, Mary and Catherine Dillon, Wilkes Barre, Pa. Frame, 2 stories, 20x65 feet, slag roof, steam heating, electric lighting. Contract awarded to Luther Rath, Wilkes Barre.

Garage, Spring Mill, Pa. Architect, Spencer Roberts, 1524 Chestnut street, Philadelphia. Owners, A. A. Garthwaite, Spring Mill, Pa. Brick, stone trimmings, 2 stories, 23x32 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Frank R. Heavner, Norristown, Pa.

Church, Chester, Pa., \$75,000. Architect, Louis H. Giele, 1123 Broadway, New York City. Owners, St. Hedwig's R. C. Church, Chester, Pa. Stone, 1 story, 135x67 feet, slate roof, steam heating, electric lighting, tile and marble work. Contract awarded to W. L. & G. H. O'Shea, 29 Broadway, New York City.

Residence, Lansdowne, Pa., \$8,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, L. L. Gerstenberger, Lansdowne, Pa. Hollow tile and plaster, 2½ stories, 49x40 feet, variegated slate roof, tile work, oak floors (plumbing, heating, electric work and weather strips reserved). Contract awarded to J. Howard Roberts, Lansdowne, Pa.

A. A. Hirst, 1200 Chestnut street, Philadelphia. Brick, stone trimmings, 75x80 feet, steam heating, electric lighting, slate blackboards. Plans in progress. Architects will take bids in two weeks.

Residence (alt. and add.), Wenonah, N. J. Architects, Street & Stackhouse, Drexel Building, Philadelphia. Owner, Edward Knight, Winonah, N. J. Hollow tile, 3 stories, 2 wings, 34x34 feet and 20x20 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work. Architects have received bids.

Hospital Building, Spring Lake, N. J. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, May Memorial Hospital, Spring Lake, N. J. Brick, stone trimmings, 3 stories, 122x39 feet; wing, 34x42 feet; slate and slag roof, roof ventilators, reinforced concrete floors, mackite partitions, waterproofing, metal lath, safety treads, electric lighting, tile work, steel sash (heating reserved). Architects taking bids, due May 6th. The following are figuring: James H. Wells, Heed Building; W. O. Springer, 1624 Latimer street; Wm. R. Dougherty, 1619 Sansom street; Bailey-Lush Co., 201 North Broad street; Thomas C. Trafford, 1615 Sansom street, all of Philadelphia; H. H. Moore, John Miller, and Clarence Magill, Spring Lake, N. J.; Pierce & Sutts, R. E. DeBow, Thomas Burkalow, Bradley Beach, N. J.; H. Pierce, Balmar, N. J.; Hugh B. Miller, Edgewater Park, N. J.; Northeastern Const. Co., 225 Fifth street; E. Brooks, 3 West Thirty-ninth street; Schaefer Const. Co., 5 West Thirty-first street; Barzaghi-Voight Co., Inc., 299 Madison avenue, all of New York City.

Residence, Clementon, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Palmer Earle, Clementon, N. J. Frame and stone, 2 stories, 34x34 feet, shingle roof, steam heating, electric lighting, tile and hardwood floors. Architect taking approximate bids. Lloyd & Lippincott, Stratford, N. J., only bidders.

Residence, Bridgeton, N. J., \$6,500. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, John Nolin, Bridgeton, N. J. Hollow tile and stucco, 2½ stories, 25x65 feet, shingle roof, hot water heating, electric lighting, tile and hardwood floors. Architect taking bids. The following are figuring: H. H. Hankins & Bro., Bridgeton, N. J.; George Maier & Bro., both of Bridgeton, N. J., and George W. Shaner & Son, Palmyra, N. J.

New Jersey Contracts Awarded

Service and Storage Building, Camden, N. J. Architects, Savery, Scheetz & Savery, St. Girard Building, Philadelphia. Owners, Crew Levick Co., Land Title Building, Philadelphia. Service building, 1 story, brick, 22x16 feet; storage building, 1 story, brick and reinforced concrete, 1 story, 70x30 feet, slag, slate and cement tile roofs, metal lath, waterproofing, steel sash, maple floors (heating, electric work, gasoline pumps and tanks reserved). Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Residence, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, A. E. Street, 306 Broadway, Camden, N. J. Frame, 2½ stories, 25x50 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Stewart L. Maines, Moorestown, N. J.

Residence (alt. and add.), 27 West Walnut avenue, Merchantville, N. J., \$3,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Mahlon F. Ivins, Jr., Merchantville, N. J. Frame, 2½ stories, 22x34

NEW JERSEY Construction News

School Building, Newfield, N. J., \$30,000. Architects, E. F. Durang & Son, 10 South

Eighteenth street, Philadelphia. Owners, Board of Education, Newfield, N. J. Donor,

feet, slate roof, hot water heating, combination lighting, hardwood floors. Contract awarded to George Bachman, 19 North Thirtieth street, Camden, N. J.

Residence, Moorestown, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, John C. Horner, Fourth and Market streets, Camden, N. J. Brick, 2½ stories, 37x58 feet, shingle roof, electric lighting, tile work, hardwood floors (hot water heating separate bids). Contract awarded to

J. B. Rowen, Moorestown, N. J.

Garage, Atlantic City, N. J. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Hotel Traymore, Atlantic City. Reinforced concrete, brick and terra cotta, 2 stories, 75x160 feet, asbestos roof, waterproofing, metal sash, fire escapes, marble and tile work (heating, plumbing, electric work and elevators separate bids). Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

electric lighting, elevators, metal sash, waterproofing. Architects taking bids, due May 1st. The following are figuring: Turner Construction Co., 11 Broadway; Fred T. Ley Co., 52 Vanderbilt avenue; Cramp & Co., 25 E. Twenty-sixth street; National Fireproofing Co., Twenty-third and Broadway; Amsterdam Building Co., 140 W. Forty-second street; H. D. Best Co., 52 Vanderbilt avenue, all of New York City, and American Concrete Steel Co., Newark, N. J.

Residence, Wilmington, Del., \$7,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owner, T. M. Eliason, Wilmington, Del. Brick and stucco, 2½ stories, 40x40 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors, dampproofing. Plans in progress.

Garage, Wilmington, Del. Architects, Leon Wilde Crawford, Odd Fellows Temple, Wilmington. Owners, Delaware Motor Sales Co., Wilmington, Del. Brick and stucco, 2 stories, 120x120 feet, slag roof, steam heating, electric lighting, reinforced concrete floors. Architects has received bids.

Residence and Garage, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Frederick A. Wardenburg, 1311 Gilpin avenue, Wilmington. Brick and hollow tile, 2½ stories, 52x39 feet, shingle roof, oak floors, tile work, metal lath (heating, plumbing and electric work separate bids). Architects taking bids, due May 1st. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Miscellaneous Contracts Awarded

Apartment (2), Laurel, Del. Architects, Edw. Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Brick, 2 stories, 30x60 feet, tin roof, steam heating, electric lighting. Contract awarded to A. J. Elliott, Laurel, Del.

Bank Building, Laurel, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Sussex Trust Co., Laurel, Del. Brick, granite and terra cotta, 2 stories, 30x67 feet, metal roof, steam heating, electric lighting, tile work, composition flooring, metal lath, dampproofing (bank fixtures reserved). Contract awarded to A. L. Elliott, Laurel, Del.

Agricultural Building, Newark, Del. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware College, Newark, Del. Brick, 2½ stories, 178x52 feet; two wings, 45x55 feet and 38x78 feet; slate roof, steam heating, electric lighting (marble work, cement and asphalt roofing, plastering, painting, heating, plumbing, electric work, stair work separate bids). Contract for carpenter and mason work awarded to F. M. Harris & Co., 1820 Wylie street, Philadelphia.

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MARYLAND Construction News

Store (alts.), 120-24 Park avenue, Baltimore. Architect, John Freund, 11 E. Lexington street, Baltimore. Owner, Julius Gutman, Park avenue and Lexington street, Baltimore. Consists of new front, copper work, metal ceilings, interior alterations, electric wiring. Plans about completed. Ready for bids in about ten days.

Bungalow, Elsinore avenue, Walbrook, Md., \$5,000. Owner, J. Irving Bealmer, Fidelity Building, Baltimore. Architect, John R. Forsythe, 232 St. Paul street, Baltimore. Frame, 1½ stories, 35x46 feet, slate roof, hot water heating, electric lighting. Owner will take bids.

High School, Belair, Md. Architect, Otto G. Simonson, Maryland Casualty Tower, Md. Owners, County School Commissioners of Harford County. Colonial brick, 2 stories, 53 x83 feet, slate roof, steam heating. Plans about completed.

Lodge Building, Canton avenue and First street, Baltimore, \$15,000. Architects, Flournoy & Flournoy, 1417 John street, Baltimore. Owners, Knights of Columbus, 2517 Eastern avenue. Brick, stories. Plans in progress. Too early for details.

Residence (alt. and add.), Cold Spring lane and Hawthorn road, Roland Park, Md. Architect, Walter M. Gieske, Gunther Building, Baltimore. Owner, F. R. V. Williams, president, Finance and Guaranty Co., Calvert and German streets, Baltimore. Consists of general interior and exterior alterations, new porches, hot water heating, new bathrooms and garage, frame, 1 story. Plans about completed. Architect will take bids in about two weeks.

Store Building, 220-22 North Howard street, Baltimore, \$40,000. Architects, Baldwin & Pennington, 330 North Charles street, Baltimore. Owners, Safe Deposit and Trust Co., 9-13 South street, Baltimore. Brick, 5 stories, 30x71 feet, slag roof, steam heating, electric lighting, passenger elevator, tile work, plumbing. Plans in progress.

Theatre, 2207-13 Madison avenue. Architects, Spraklin & Childs, Law Building, Baltimore. Owners, Madison Amusement Co., on premises. Brick, 4 stories, 55x145 feet, terra cotta trimmings, tile, slag and tin roof, steam heating, electric lighting, passenger elevator, cement work, reinforced concrete work, fire doors, marble work. Revised plans in progress.

MARYLAND Contracts Awarded

Storage Building (add.), Marshall and McComas streets, Baltimore. Architect, private plans. Owners, Western Maryland Railway, Baltimore, Md. Concrete and steel, 1 story, 192x88 feet, slag roof, electric lighting. Contract awarded to James Stewart & Co., 30 Church street, Baltimore.

Business Building, southeast corner Linden avenue and Chauncey streets, Baltimore. Architect, Benj. Frank, 328 North Charles street, Baltimore. Owners, Katz Bros., 323 McMechen street, Baltimore. Brick, 3 stories, 25x77 feet, slag roof, metal ceilings, dampproofing, galvanized iron cornice, tile and marble work, fire escape, concrete foundation. Contract awarded to Joseph Schamberger, 2122 E. Baltimore street, Baltimore.

Department Store, 228 to 234 N. Howard street. Architects, Baldwin & Pennington, 330 North Charles streets. Owners, Hutzler Bros., 212 N. Howard street, Baltimore. Brick, fireproof, 5 stories, 75x100 feet, slag roof, steam heating, electric lighting, plastering,

plumbing. Builders, Morrow Bros., Fidelity Building, Baltimore, taking sub-bids.

Factory Building, Eastern avenue and Thirty-first street, Canton, Md., \$75,000. Architect, W. M. Gieske, Gunther Building, Baltimore. Owners, Baltimore Oil Engine Co., 3 E. German street, Baltimore. Brick, steel and concrete, 1 story, 200x100 feet, composition roof, iron work (steam heating and electric work reserved), plumbing. Contract awarded to B. F. Bennett Building Co., 123 S. Howard street.

Y. W. C. A. Building, 511-19 S. Clinton st., Baltimore. Architect, O. B. Wight, Munsey Building, Baltimore. Engineer, C. L. Reeder, Park avenue and Saratoga street, Baltimore. Owners, Y. W. C. A., Baltimore, Md. Brick, fireproof, stories, 62x40 feet and 72x47 feet, slag and tin roof, steam heating, electric lighting, reinforced concrete and cement floors, reinforcing steel, dampproofing, stone, fireproof metal doors, dumbwaiter. Contract awarded to J. Henry Mille, Inc., Eutaw and Franklin streets, Philadelphia.

Miscellaneous Construction News

Manufacturing Buildings, Jackson avenue. Long Island, N. Y. Architects, Ballinger & Perrot, 17th and Arch streets, Philadelphia.

Owner, James E. Stewart, on premises. Reinforced concrete, 4 stories, 75x90 feet, 1 story, 180x52 feet, slag roofs, steam heating,

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Stephen Folin (O), Cheltenham avenue and York street. Cost, \$7,000. Two dwellings, brick, stories, 16x45 feet, Eleventh and Cheltenham avenue.

L. H. Robertson (O), Fifty-sixth and Overbrook avenue. Cost, \$8,500. Dwelling, hollow tile, 2 stories, 31x43 feet, Fifty-sixth and Overbrook avenue.

John F. McGinty (O), 2010 North Broad street. Cost, \$35,000. Twelve dwellings, brick, 2 stories, 14x46 feet, Twelfth and Courtland streets.

G. S. Miller (O), Glenside, Pa. H. E. Wagoner (C), 5023 Germantown avenue. Cost, \$28,000. Eight dwellings, brick, 3 stories, 16x52 feet, Mt. Airy avenue and Ardleigh street.

Dr. Woodward (O), North American Building. Pringle Borthwick (C), 8018 Germantown avenue. Cost, \$34,000. Four dwellings and garage, stone, 3 stories, 39x38 feet, Willow Grove avenue and Lincoln drive.

John Wanamaker (O), Thirteenth and Market streets. Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$65,000. Warehouse and garage, brick and terra cotta, 1 story, 226x110 feet, Twenty-third and Locust streets.

Matthew A. Roth (O), Sixty-ninth avenue and Verbena street. Cost, \$66,000. Eleven dwellings, stone and brick and frame, 3 stories, 22x37 feet, Sixty-ninth avenue and Verbena street.

Chas. H. Davis (O), 1118 Chestnut street. Cost, \$64,000. Twenty dwellings, brick, 2 stories, 15x39 feet, Sixth and Tabor road.

John Malenky (O), 1112 North American street. Cost, \$4,600. Two dwellings, brick, 2 stories, 16x40 feet, Seventy-sixth and Dicks avenue.

Wm. Fellows (O), 1143 Harrison street. John Fotheringham (C), 3367 Frankford avenue. Cost, \$6,800. Two dwellings, brick, 3 stories, 16x42 feet, Horrocks and Harrison streets.

Wyoming Const. Co. (O), 1414 South Penn Square. Cost, \$91,900. Thirty-nine dwellings, brick, 2 stories, 16x30 feet, D and Wyoming streets.

Wm. Clausen (O), 6508 Park avenue. John Ashton (C), 316 Granger avenue. Cost, \$11,

000. Two dwellings and two garages, brick, stories, 25x37 feet, Thirteenth and Sixty-fifth avenue.

E. L. Seeds (O), Wissahickon avenue and Cliveden street. Cost, \$10,000. Dwelling, stone and brick, 3 stories, 42x43 feet, Wissahickon avenue and Cliveden street.

Geo. F. Stuempfig (O), 5430 Wayne avenue. H. P. Schneider (C), 3713 York road. Cost, \$40,000. Stores and hall, Germantown avenue and Venango street.

Merit Realty Co. (O), 263 South Eighth street. Cost, \$21,900. One hundred and twenty dwellings, brick, 2 stories, 15x36 feet, Carey and L streets.

S. Powidzki (O), 2340 Duncannon street. Store and dwellings, brick, 2 stories, 16x57 feet, Duncannon and Stiles streets.

Clark & Craighead (O), Ogont and Cheltenham avenues. Cost, \$152,200. Sixty dwellings, stone and brick, 2 stories, 15x40 feet, Garnett and Cheltenham avenue.

Ramsey Bros. (O), 5932 Catherine street. Cost, \$67,200. Forty-two dwellings, stone and brick, 2 stories, 18x33 feet, Sixty-second and Delancey streets.

M. Bliss (O), Seventh and Fitzgerald sts. Cost, \$6,000. Two stores and dwellings, Eighteenth and Fitzgerald streets.

Chas. A. Mahon (O), 907 Northeast Boulevard. Cost, \$90,000. Thirty-eight dwellings, brick and stone, 2 stories, 16x34 feet, Sixty-fifth avenue and Norwood street.

Southwark Const. Co. (O), 360 Ritner street. Cost, \$60,200. Twenty-seven dwellings, brick, 2 stories, 14x48 feet, Galloway and Shunk streets.

G. R. Osborne & Son (O), 5017 Duffield st. Cost, \$12,100. Six dwellings, brick and frame, 2 stories, 14x38 feet, Cottage and Haworth streets.

Central Machine Co. (O), Seventh and Cherry streets. W. Beaumont (O), St. Girard avenue. Cost, \$25,000. Brick, 3 stories, 110x44 feet, Seventh and Wood streets.

M. A. Layton (O), Land Title Building. L. M. Goodwin (C), Land Title Building. Cost, \$66,900. Nineteen dwellings, stone and brick, 2 stories, 16x52 feet, 1100 South Sixtieth street.

Henry Uram (O), 509 South street. B. Bornstein (C), 1510 North Franklin street. Cost, \$1,000. Store and dwelling, 509 South street.

A. R. Morris (O), 512 North Camac street. Jos. Schulzback (C), 1223 Germantown ave. Cost, \$1,200. Dwelling, 1506 North Nineteenth street.

Edwin Stott (O), 5430 Walin street. Cost, \$500. Post office, Tabor road and Tennice street.

German American Trust (O), Broad and Arch streets. P. Heisler (C), 25 South Fifty-second street. Cost, \$800. Garage, 2316 N. Fifteenth street.

Henry M. Wessells (O), 1505 Diamond street. Freund-Siedenbach (C), Bulletin Building. Cost, \$6,000. Dwelling, 1607 N. Broad street.

Taylor & Son (O), 24 South Fortieth street. Owen Fogarty (C), 1918 Cherry street. Cost, \$1,500. Store and dwelling, 5601 Market street.

Dr. Geo. Woodward (O), North American Building. John E. Walt (C), 204 E. Willow Grove avenue. Cost, \$12,300. Residence and garage, Enfield and Abington streets.

Oscar A. Kahler (O), 3103 North Fifteenth street. Cost, \$600. Tenement, 850 North Twenty-ninth street.

Presbyterian Orphanage (O), Fifty-eighth and Chester avenue. W. C. Haddock (C), Thirteenth and Market streets. Cost, \$1,200. Cottage, Fifty-eighth and Chester avenue.

Geo. A. Hahn (O), 2736 Girard avenue. Cost, \$800. Dwelling, 2624 Girard avenue.

City of Philadelphia (O), City Hall. James P. Farrell (C), 1621 Sansom street. Cost, \$29,000. School, Twelfth and Wood streets.

John Illingsworth (O), Lewis and Tacony streets. Jos. R. Dickinson (C), Lewis and Tacony streets. Cost, \$600. Packing house, Lewis and Tacony streets.

T. Fors (O), Thirteenth and Kimball sts. A. Alasandoro (C), 620 Annin street. Cost, \$350. Store and dwelling, Thirteenth and Kimball streets.

H. H. Barton & Sons Co. (O), Holmesburg, Pa. F. G. Castor (C), 8204 Frankford avenue. Cost, \$500. Storage, State Road and Bleigh street.

Orthopaedic Hospital (O), Seventeenth and Summer streets. H. H. Burrell (C), 206 S. Quince street. Cost, \$1,500. Hospital, Seventeenth and Winter streets.

Strawbridge & Clothier (O), Eighth and Market streets. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$125,000. Restaurant, 827-31 Market street.

Frank Polis (O), 2655 Silver street. N. D. Amico (C), 721 South Ninth street. Cost, \$500. Store and dwelling, 2655 Silver street.

Wm. Morris (O), Puka. J. F. Baxter Co. (C), Norristown, Pa. Cost, \$600. Dwelling, 1502 North Nineteenth street.

Giovani Torchio (O), 1428 South Thirteenth street. N. Bartolomeo (C), 1241 Christian street. Cost, \$550. Store, 1433 South Twelfth street.

James Johnson (O), 2405 North Fifty-second street. Cost, \$700. Garage, Fifty-first and Overbrook avenue.

Henry H. Sheip & Co. (O), Sixth and Columbia avenue. Barclay White Co. (C), Perry Building. Cost, \$2,000. Tower, Columbia avenue and Randolph street.

Dr. Chas. M. Bark (O), 219 North Nineteenth street. A. McClintock (C), 1937 Ridge avenue. Cost, \$900. Dwelling, 158 North Twentieth street.

R. B. Armstrong (O), 3606 North Sixteenth street. H. Brocklehurst (C), 512 W. Norris street. Cost, \$1,300. Garage, 3606 North Sixteenth street.

Morgan M. Bynor (O), 4515 North Eighteenth street. Geo. E. Pierson (C), 4507 N. Twentieth street. Cost, \$2,000. Machine shop, 4632 North Broad street.

C. R. Sinester (O), Nixon and Leverington streets. Brown Const. Co. (C), 4600 Main street. Cost, \$2,000. Factory, Nixon and Leverington streets.

Mrs. Emma Resse (O), 1927 Tioga street. Geo. Hogg (C), 1634 Sansom street. Cost, \$500. Garage, 1929 North Atlantic avenue.

Thomas E. Coale (O), Red Lion and Knights road. Alfred Darrah (C), Tndalusia, Pa. Cost, \$1,200. Dwelling, Red Lion and Knights road.

U. G. I. (O), Broad and Arch streets. Cost, \$7,000. Manufacturing building, Tioga and Casper streets.

U. G. I. (O), Broad and Arch streets. Cost, \$7,000. Manufacturing building. Passyunk and Schuylkill avenues.

(Continued on page 290.)

Alterations and Additions

Hotel Walton Co. (O), Broad and Locust streets. H. E. Baton (C), Twelfth and Sansom streets. Cost, \$6,000. Roof garden, Broad and Locust streets.

Rudolph Schuller (O), 826 North Leithgow street. Cost, \$400. Cottage, Dungan and Bleight streets.

Whiteley & Collins (O), Fifty-fourth and Westminster avenue. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$17,000. Factory, Fifty-fourth and Westminster avenue.

Harry Brody (O), 1320 North Fourth st. L. M. Shestack (C), 322 Dickinson street. Cost, \$700. Dwelling, 425 Fulton street.

Louis Brody & Co. (O), 121 North Second street. Louis Cohen (C), 417 Christian st. Cost, \$5,000. Factory, 113-16 North Broad street.

Bell Phone, Spruce 6612. Keystone Phone, Race 2799

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PHILADELPHIA, PA., APRIL 26, 1916.

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Editorial Comment

The building outlook throughout the coun-
try continues good despite a rise, here and
there, in the cost of materials.

Reports to "Bradstreet's Journal" from
107 cities of the United States show 18,721
permits filed during March, with an estimated
value of building planned or permitted for
of \$68,181,668, a decrease of 12.5 per cent.
in permits, but a gain of 14.1 per cent. in
value as compared with March a year ago.
The returns are irregular, as shown by the
fact that every group of cities shows a de-
crease in permits, while all but two groups
show gains in estimated expenditure. In the
detailed list by cities, too, it is found that
fifty-six cities show gains, while fifty-one
show decreases from March a year ago.

For the first quarter of 1916 expenditures
aggregate \$177,600,265, a gain of 18.2 per
cent. over the first quarter of 1915, which
showed a loss of 11.2 per cent. from 1914.
The detailed returns, by groups, show the
following:

	No. of Cities.	No. of Permits, 1916.	Values, 1916.
New England..	16	874	\$3,329,111
Middle	23	4,293	25,524,951
Western	16	4,952	12,077,646
Northwest	14	2,956	17,379,006
Southwest	8	1,186	2,269,054
Southern	19	2,160	4,576,863
Far Western...	11	2,300	3,024,947
Total	107	18,721	\$68,181,668

* * *

The decrease shown in the returns from
Philadelphia need occasion no alarm. There
is pending in the offices of local architects
enough important work involving large fig-
ures to more than counterbalance the slight
falling-off here noted—a decrease due to
weather rather than to economic conditions.

* * *

Speaking on this subject of talk of increas-
ed building costs, "The New York Record
and Guide" expresses the common-sense view
in an entertaining review of the fluctuation
in the line covering a period of years. Refer-
ence to these facts goes far to dissipate any
misgivings that may have been entertained
regarding the possibility of building costs be-
coming prohibitive.

"Critics of the present building situation
undoubtedly place too much emphasis upon
the recent rise in the cost of some materials,
and give too little consideration to factors
which, if less obvious to the public, are of
greater moment. Commodities naturally cost
more in busy times than when business enter-
prise is panic stricken. The really serious
portents in the present situation are the grow-
ing difficulty of getting deliveries for certain
primary materials, the apparent shortage of

common labor and the larger wages being
demanded by the skilled trades at every op-
portunity.

"As for building costs as a whole, a little
figuring will disclose to an analytical mind
that they have not yet risen higher than in
former busy periods. In 1902 the official
quotations on structural steel were as high
as they are to-day, and the premiums paid
for prompt deliveries a great deal more.
Portland cement was then selling in car lots
to dealers at \$2 to \$2.25, f. o. b., New York.
In 1906 Hudson River brick, now quoted at
\$8 to \$8.25 for the best grades, was selling in
cargo lots to dealers at the wharf for \$11.25
per M. In that same year, 1906, a very thor-
ough investigation of building construction
costs by the 'Record and Guide,' in collabor-
ation with the office of Ernest Flagg, disclos-
ed a general advance of 33 1-3 per cent. over
the costs prevailing in the year 1898, the
year of the Spanish war.

* * *

"In 1908, the year following the panic,
when building costs had again fallen as far
as they could go, a second inquiry into the
subject by the 'Record and Guide' was based
upon three elements: (1) material prices,
(2) workmen's wages, and (3) contractors'
profits. And it was found that office build-
ings could then be produced for 15 per cent.
less than in the year 1906; apartment houses
for 10 to 15 per cent. less; high class resi-
dences, 18 to 20 per cent. less; warehouses
and factories, 18 to 20 per cent. less; sub-
urban dwellings, 10 to 12 per cent. less. and
concrete buildings, at least 15 per cent. less
than in the best building year the city ever
knew.

"An office building actually under con-
struction in 1908 cost only 28 cents per cubic
foot, when two years before the same build-
ing would have cost to erect 32 cents per
cubic foot, or 14.3 per cent. more. A resi-
dence on Park avenue, near Eighty-sixth
street, cost to build in 1906 \$105,000, or 38
cents a cubic foot. Two years later it could
have been duplicated for 33 cents a cubic
foot. A fireproof factory of ordinary rough
construction was completed in Jersey City
in 1908 at a cost of 9 cents per cubic foot,
exclusive of lighting and heating. Had it
been contracted for in 1906 it would have
cost 15 cents per cubic foot, or 77 per cent.
more. The cargo price of common brick in
1908 was but \$5 per M. Hemlock had reced-
ed from \$22, base price, to \$19. Cement had
dropped 12 per cent., and stonework (includ-
ing material and labor) 20 per cent.

"Eight years have passed since building
costs started to rise from their previous low
level. With the possible exception of steel
and rough lumber none of the fundamental
materials has yet reached its former maxi-

mum price. Interior woodwork, stonework, marblework, brickwork and most of the operations in building construction can still be done for less than at some previous active epoch.

"By far the larger total cost of the materials entering into the construction of a first-class building are chargeable to steel, and for this war conditions are responsible. And if war conditions are to be blamed for the high price of steel products, they must at the same time be credited with having been one of the principal causes of the business revival."

* * *

Here we have Emerson's old theory of the law of compensation once more vindicated. Considering that as a result of the war structural steel costs more money, we have the compensating condition that general prosperity due to the same war is directly chargeable with a business revival of sensational proportions.

Recent observers are of the opinion that 1916 as a whole will go down into history as one of the greatest building years the United States has ever known, due to the springing up of new industries concerned with providing munitions and other war materials and to the nation-wide business prosperity incident thereto.

* * *

Following are the values of buildings permitted for in March and the first quarter of 1916, as compared with like periods of recently preceding years back to -909:

	March.	Three Months.
1916.....	\$83,756,728	\$193,175,325
1915.....	72,475,692	162,995,673
1914.....	85,795,424	187,916,992
1913.....	83,388,638	201,688,616
1912.....	79,409,845	179,596,164
1911.....	80,470,184	171,868,315
1910.....	89,425,797	186,381,001
1909.....	86,231,009	193,825,989

Compared with March a year ago, building expenditures show a gain of 15.5 per cent. Compared with the same month of three preceding years, gains are likewise shown, and for the first three months of 1916, a gain of 18.5 per cent. is shown, and only one year of the last seven shows a larger total.

* * *

Who built the first skyscraper?

The New York "Sun" awarded the honor of pioneership in this regard, in a recent number, to D. H. King, Jr.

Thomas S. Chard, of Atlantic City, taking issue with the "Sun," awards the credit to Major W. L. B. Jenney.

Mr. Chard's letter is so interesting a contribution to the controversy under this head that we are moved to give it space.

"To the Editor of 'The Sun'—Sir: In 'The Sun' of April 21 you pay tribute to the memory of D. H. King, Jr., whom you call 'the pioneer in skyscraper construction.' I have never seen stated in print the origin of the so-called skyscraper, and it may interest your readers to know about it.

"In the year 1888, wishing to construct a

residence in Chicago, I employed as architect Major W. L. B. Jenney. I had known him for some years. He was an able and very modest man, and it was he who designed and built the first building embodying the principles of the modern skyscraper. He told me the story, and here it is:

"He said that he had long had the idea that it would be possible to build such buildings, and he had toiled hard to draw some feasible plan. But then, he said, 'I thought such construction would not be practicable, for the expansion and contraction by reason of heat and cold in our climate would shake the windows into the street. But still I could not abandon the idea. One night after I had spent the evening in studying the subject, the whole plan came to me in a dream.

"I awoke, made notations on paper and the next day studied the matter carefully in my office, and was satisfied that I had solved the problem."

"He then conferred with his friend and former associate in the army, General A. C. Ducat, who had once been a civil engineer, but was then one of the Western managers in Chicago of the Home Insurance Company of New York. General Ducat informed Major Jenney that the company was about to construct a building in Chicago for its Western department. The directors of the Home Insurance Company, he said, were soon to visit Chicago to consider the matter on the ground, and he promised to introduce Major Jenney to them when they arrived. General Ducat then took the Jenney plans and gave them careful study.

"Major Jenney met the directors as arranged and submitted his plans. Charles J. Martin was then president of the Home Company and demurred to the investment of hundreds of thousands of dollars in a 'mere experiment,' but General Ducat was warm in his advocacy and the plans were adopted. The Home Insurance building was the first ever constructed on the lines followed by the skyscrapers of the present day. The Home building was not of great height, but it demonstrated the practicability of the plans, and its construction was quickly followed by that of the Tacoma and other buildings of great height.

"To Major W. L. B. Jenney is due the honor of originating the plans which have revolutionized the architecture of our modern cities.

"I hope that some day Chicago will erect a suitable monument to the memory of Major Jenney and that elsewhere due honor may be done to his name."

* * *

Are there any other nominations for the honor?

Who built the first Philadelphia skyscraper?

Does any of our readers happen to know?

Philadelphia is one of the busiest building centers in the United States and "The Guide" is the only medium that touches this golden field.

CAREY BUILDING MATERIALS.

"Architects' Specifications for Carey Building Materials" is the title of a most attractively arranged and elegantly printed booklet issued for the convenience of members of the architectural profession by The Philip Carey Company, of Lockland, Cincinnati, with branches in all the principal cities. Carey Flexible Cement Roofing, Carey Asbestos Built-Up Roofing, Carey Asphalt-Slate Shingles, Carey Ceil Board, Carey Rubber Roofings, the Carey Elastic, Expansion Joint, Carey Fibreweave Insulating Paper and Damp-proofing Perceproof Compound, and the Carey Magnesia and Asbestos Insulating Products are a few of the many specialties manufactured by the Carey concern covered in this very interesting booklet. No architect, roofer or builder can afford to miss a chance to peruse this valuable hand-book of the Carey products, which will be sent on request to any of our readers who mention "The Builders' Guide." Address the Carey Company headquarters at Lockland, Cincinnati, or drop a card to any of the many branch offices throughout the country.

"KNOCKING" THE ARCHITECTS.

Strange as it may seem, the architect very often forgets that the working drawings are made for the contractors and material men, and are not simply a display of draughtsmanship. The limit was reached last week by a well-known architect sending out a set of plans with the explanatory lettering so small that it could not be read without the aid of a strong magnifying glass. It was a strange sight, indeed, to see the sub-contractors looking through magnifying glasses. It is indeed very fortunate for both the client and the contractor that such absurdities are practiced by only a few of the profession. In addition to a few guesses thrown in, it is reasonable to expect the top price plus from every "sub," and when added to the hazardous risk of the general contractor, a small house grows into the price of a mansion.

If the architects who continue to turn out working drawings that should be accompanied by an interpreter would only take a week off to visit contractors' offices, they would see, to their edification, that the plans which receive the most attention and consequently the best bids are those that are plain and easily understood by the "sub."—"Public Ledger."

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ALTERATIONS AND ADDITIONS.

(Continued from page 287.)

Penna. R.R. Co. (O), Broad Street Station. Armstrong & Latta (C), Commercial Trust Building. Cost, \$4,000. Club House, Forty-fourth and Girard avenue.

E. M. Kuehn (O), 4901 Knox street. John Dear (C), 4544 Greene street. Cost, \$1,000. Store, 4947 North Broad street.

S. Nassau (O), 517 Christian street. Tony Marollo (C), 937 Federal street. Cost, \$600. Dwelling, 746 Callowhill street.

J. B. Callahan, Jr. (O), 1011 Chestnut st. J. Baizley Iron Wks (C), 514 South Delaware avenue. Cost, \$1,000. Apartments, 1224 Spruce street.

WOOD FOR EXTERIORS COMING INTO FAVOR.

Whether or not wood will give lasting service in exterior use depends chiefly on its selection and protection. If the proper grade is chosen and occasional painting is resorted to, the durability of wood is indisputable.

There should be no objection to the use of wood in preference to mineral materials, as wood is far more beautiful, adaptable and economical. Moreover, wood permits the owner to give better expression to his personal whims or fancies, and he can repaint as often as he feels disposed.

Perhaps it is because of these facts that wood is again coming into popular favor for exterior construction. In the recent revival of the use of wood for this purpose perhaps no species has figured so prominently as North Carolina pine. Its constant use in modern country estates, new suburban dwellings and farm homes and buildings lends emphasis to its ready adaptability. Its abundance means not only low cost, but a readily available supply for home-builders throughout this section.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**Among the coming conventions in which readers are interested are the following:

Stove Founders' National Defense Association will hold convention in New York City May 9.

National Association of Stove Manufacturers will hold convention in New York City May 10 and 11.

National Warm Air Heating and Ventilating Association will hold its annual convention on June 14 at Detroit, Mich.

National Association of Sheet Metal Contractors, annual convention, Peoria, Ill., June 20, 21, 22 and 23.

**At the meeting held during the period of the Cement Show in Chicago, Ill., the National Association of Mixer Manufacturers elected the following officials to serve for the ensuing year: President, A. Cameron; vice-president, William A. Hart; secretary, H. E. Smith; treasurer, F. C. Wilcox. H. M. Capron was elected a member of the Executive Committee.

**At the recent convention of the National Association of Brick Manufacturers the following officers for the ensuing year were elected: President, C. J. Deckman, of Cleveland; first vice-president, Fritz Salmen, of New Orleans; second vice-president, George H. Clippert, of Detroit; third vice-president, J. W. Robert, of Clinton, Ind.; secretary, T. A. Randall, of Indianapolis; treasurer, J. W. Siblay, of Birmingham. It is interesting to note in this connection that Secretary Randall was elected for the thirtieth successive term.

**R. S. Conant, architect, has moved his offices from 14 Geddes street, to 159 Warburton avenue, Yonkers, N. Y.

**Christian Bauer, Jr., architect, 861 Manhattan avenue, Brooklyn, desires literature pertaining to coal conveyors.

**A local association of the National Association of Sheet Metal Contractors was organized at Norristown, Pa., on March 28. National Secretary Edwin L. Seabrook addressed the meeting, pointing out the advantages to be derived by the co-operative effort of an association. The secretary also made a most interesting talk on the cost of doing business, aided by charts which he has used in several recent talks he has given before other local associations.

**The National Fire Protection Association will hold its annual meeting in the auditorium of the Insurance Exchange, Chicago, Ill., May 9-11. The program for this meeting will be announced in a later issue of this paper.

**The Richmond Radiator Company, of New York, has opened a new warehouse at American and Dauphin streets, Philadelphia, Pa.

**Louis N. Millman, architect, will move his offices about May 1, from the Stoll Building to the Pioneer Building, Troy, N. Y.

**The National Electrical Contractors' Association of the United States will hold its annual convention at the Hotel McAlpin, New York, July 18, 22. Secretary, G. W. Duffield, 41 Martin Building, Utica, N. Y.

**The National Association of Master Plumbers will hold its annual convention at Atlantic City, N. J., June 22-23. The headquarters will be at the Hotel Breakers. The program for this convention will be announced later.

**The New Jersey Master Plumbers' Association will hold its annual convention at Columbus Institute Hall, Newark, N. J., May 22-24, inclusive. Plans are under way for an interesting exhibition of plumbing fixtures and appliances to be held in connection with the convention.

**Harold L. Alt, heating and ventilating engineer, formerly connected with R. D. Kimball Co., has become associated with Westinghouse, Church, Kerr & Co., 37 Wall street, New York, where he will have charge of the design of plumbing work.

**Herman N. Lubet, architect and engineer, has recently returned to this city from an extended trip to California, where he has been recuperating from a serious illness. He has resumed the practice of his profession at 1271 Park place, Brooklyn.

**F. H. Shaw, consulting engineer of Lancaster, Pa., has opened a New York office in the Woolworth Building, where he is prepared to practice in all branches of civil engineering, including the design and construction of water, gas, sewerage, railway and hydro-electric installations.

**The American Museum of Safety has changed the date of the third National Exposition of Sanitation and Safety from the week of April 17 to the week of May 22. The exposition will be held in the Grand Central Palace and will be open from Monday, May 22, until Saturday, May 27.

**The Master Builders' Association of New Jersey has been reorganized and has established permanent quarters in the Essex Building, Newark, N. J. The office contains a bureau of general information, bureau of labor and statistics, legislative bureau, legal department, collection bureau, transportation bureau, insurance department and accident

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prevention bureau. J. H. Scharff, the general manager, is a specialist in co-operative work and has had 25 years' experience along those lines. The officers of the association are: J. S. Anderson, president; A. J. Crowder, treasurer; V. P. Christofferson, secretary, and the following vice-presidents: W. W. Schouler, Newark; H. A. Rath, Elizabeth; A. D. Freiberg, New Brunswick; eGorge Collins, Hackensack; Jacob Englishman, Paterson; H. Moosbrugger, Somerville. The Advisory Committee numbers fifty members. It is felt that the steps now being taken will result in a manifold increase in the benefits which result from membership in the association.

**The National Housing Association will hold the next housing conference at Providence, R. I., October 9-10-11, 1916.

**The National Pipe and Supplies Association will hold its annual meeting at the William Penn Hotel, Pittsburgh, Pa., May 8-9.

**The National District Heating Association will hold its eighth annual convention at the Hotel Martinique, New York City, May 16-19.

**The American Waterworks Association will hold its thirty-sixth annual convention at the Hotel Astor, June 5-9. An excellent program of papers has been prepared.

UNCLE SAM CUTS COST OF BLUE-PRINT CHEMICAL.

Announcement has been made by the U. S. Department of Agriculture of the new method for producing the chemical coating material for blue-print paper. The technical name of this is potassium-ferri-cyanide or red prussiate of potash. Before the beginning of the war, this chemical could be obtained for 55 cents a pound. It now sells at about \$6.00 a pound, and is very hard to get even at that price. This new method developed by the Agricultural Department chemists reduces the cost under present market conditions to about \$2.80 a pound, and in normal times to about 35 cents a pound.

The apparatus is simple, as is also the manufacturing process.

The present high price of blue-print paper is considerable of a hardship on architectural and engineering departments. No doubt many will want to look into this new method of production. The Office of Information, U. S. Department of Agriculture, Washington, D. C., will supply full particulars.

WINDOW BOXES.

The windows may be made beautiful in city homes by preparing window boxes—plain wooden boxes, nine inches deep, twelve inches wide and of proper length to fit the window. Inch holes should be bored through the bottom, and small pieces of charcoal and broken pots placed in the bottom to insure proper drainage, which is very important. Fill with sifted soil, one-third sand, two-thirds top soil from the garden.

Send to the seedsmen for catalogs and make selections. I have combined, with great success, for southern exposure various verbenas, raised from seed and transplanted into the window boxes, heliotrope combined with varieties of geraniums—scarlet, cardinal, salmon pink and white. The dwarf maurandias make pretty vines.

For the northern windows use trailing fuchsia, ivy geraniums, begonia, Japanese morning glory and Asparagus sprengeri.

During the summer take slips from the choicest specimens and keep the new plants over winter for next season's use. At the end of the season remove the plants, refill the box with new soil and plant Dutch flowering bulbs, hyacinths, narcissi, etc. Place in cool, dark place for a few weeks and then bring them out into the light and heat gradually. With a little care the flowers will be ready for Easter.—New York "Sun."

HOLLOW METAL DOORS.

The effort to standardize hollow metal doors will, if successful, tend to increase the scope of this type of door, and permit of its more general use in buildings. Practically every architect and builder recognizes the value of hollow metal doors and trim, and, while they might desire to make use of this kind of construction in their buildings, they were prevented by the excessive cost involved. This high cost has been the result of conditions, which the manufacturers claim are unnecessary. They were imposed by reason of the fact that the products were not standardized and therefore their manufacture was an expensive process, on account of the wasteful and inefficient methods of operation, in both design and production.

For these conditions the manufacturers are not wholly to blame. The waste starts with an unstandardized demand, and grows with special details such as designing, estimating, the maintenance of rafting departments, all to meet the requirements which might be greatly reduced or eliminated.

That the present high cost of a hollow steel door of the best quality is not in the materials is apparent, when it is considered that in the average 3x7 feet door there is less than 100 pounds of furniture steel. This material costs about \$3.40 per 100 pounds. Add to this the strap steel for swing and lock reinforcement, asbestos panel boards, cork strips, finishing enamels, etc., the raw materials are obtainable at a comparatively small cost.

Hollow steel doors should be made at a low cost, and sold at a fair price. By co-ordinated effort, definite standards, and efficient production, better doors should be produced for less money.—New York "Real Estate Record."

HOMES WILL COST MORE.

Brooklyn Builder Says the Advance Will Be 20 Per Cent.

The price of homes in Brooklyn will take a big jump in the next few months, according to Otto Singer, who has put up many homes in Kings. He claims that the advance in labor and material has increased the cost of building at least 20 per cent., and says that after June 1 there will be very few new modern houses for sale at present prices.

This condition has caused many builders to abandon proposed operations, in some instances where plans have been filed and work actually started. This will create a greater demand for the comparatively few houses which will be erected this summer.

"Homeseekers seem to be awake to this condition," Mr. Singer said. "as evidenced by the numerous sales reported during the past few weeks, especially along the line of the new Fourth avenue, Seabeach subway."

LUCKY HE DID NOT PUT IN A NEW FURNACE.

He was renting a small house which the landlord had refused to repair. One day the owner came to see him.

"Jones," he said, "I shall have to raise your rent."

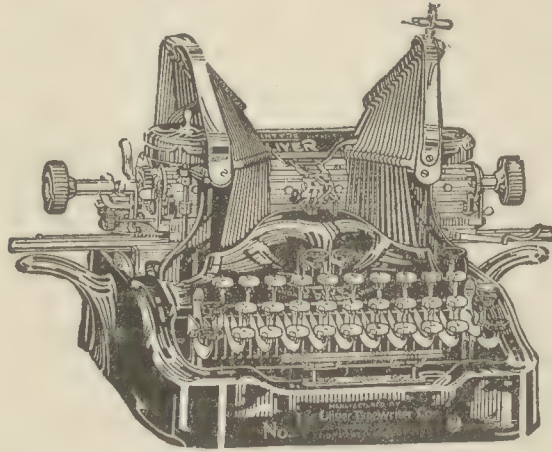
"What for?" asked Jones, anxiously. Have the taxes gone up?"

"No," the landlord answered, "but I see you've painted the house and put in a new bath room. That, of course, makes it worth more."

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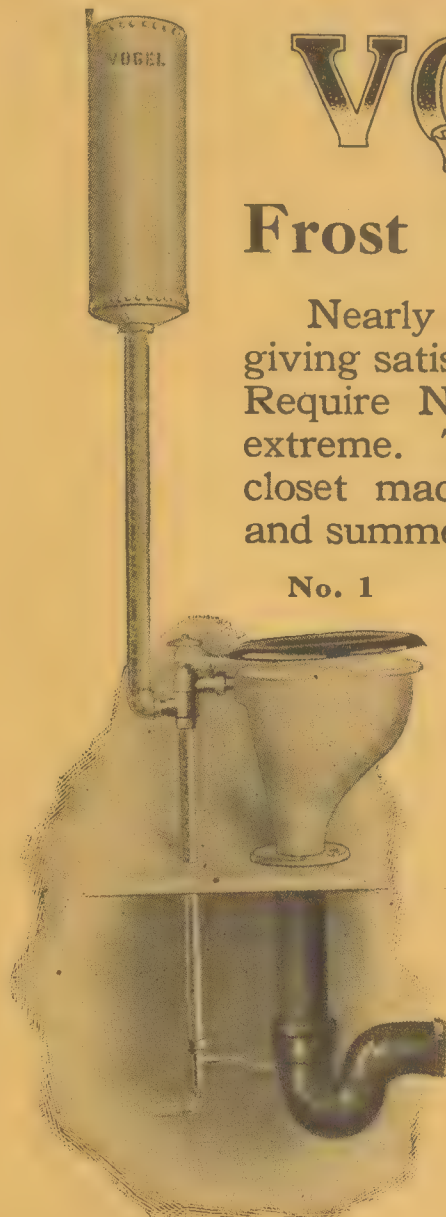
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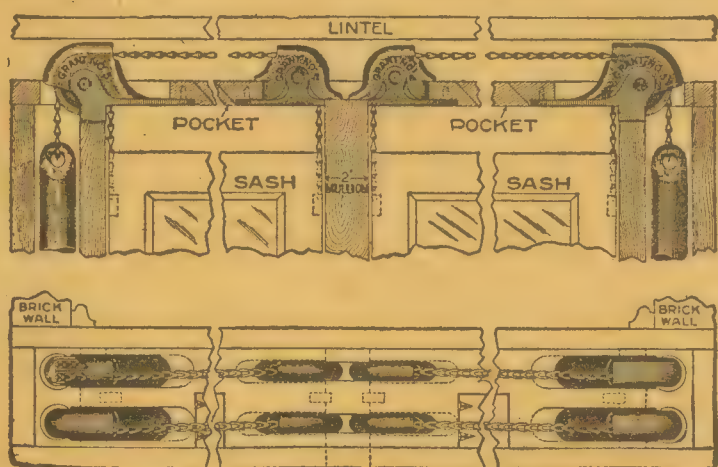
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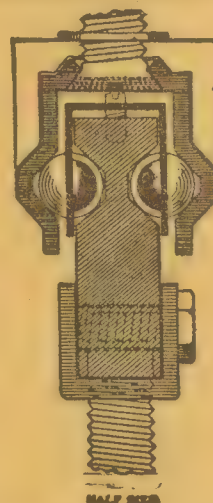
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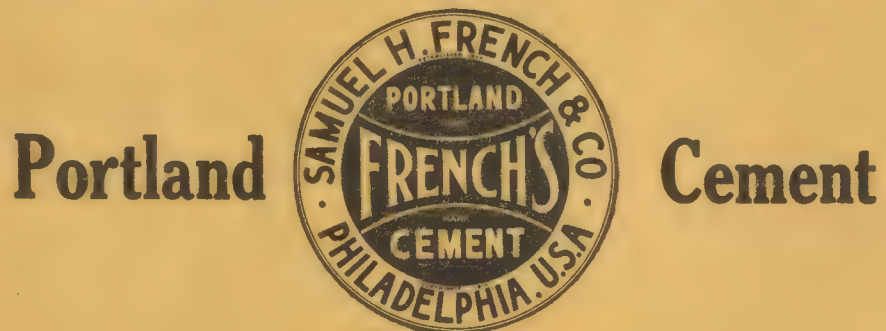
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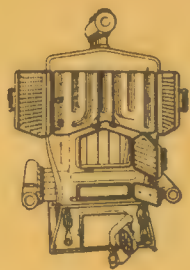


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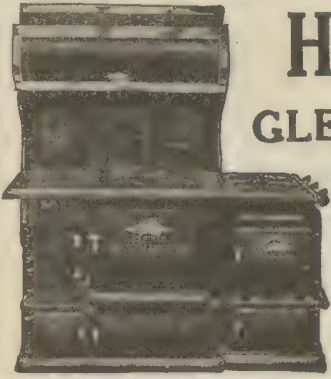
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Vol. XXXI, No. 18.

PHILADELPHIA, WEDNESDAY, MAY 3, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

School (add.), Twenty-seventh and Clearfield streets, Philadelphia. Architect, J. Horace Cook, Nineteenth, above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut street. Brick, stone and terra cotta, concrete floors, 3 stories, 61x69 feet, copper and composition roof, metal lath, waterproofing, metal weatherstrips, roof ventilators, maple floors (heating, plumbing and electric work separate bids). Owners taking bids, due May 5th at 1.30 P. M. In addition to those previously reported, W. W. Anstine & Co., 1218 Filbert street; H. E. Baton, Twelfth and Sansom streets; Henry L. Brown, 1714 Sansom street; E. F. Fonder, Land Title Building; J. H. Jordan, Thirty-first and Oxford streets; Mitchell Bros., 2125 Race street; I. T. Shoemaker, 1324 Walnut street, are figuring.

Residence (alts.), 1602 Diamond street. Architect, Frank E. Hahn, 1112 Chestnut st. Owner, Abram L. Asher, 1906 Erie avenue, Philadelphia. Brick, 3 stories, consists of interior alterations, electric lighting, tile work, oak floors. Architect has received bids.

Residence, Germantown, Philadelphia. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Harold C. Paine, 401 W. School House lane. Hollow tile and plaster, 2½ stories, 27x40 feet, wing, 16x24 feet, slate roof (hot water heating and electric lighting reserved), tile work. Architect taking bids, due May 8th. The following are figuring: Wm. J. Gruhler & Co., 219 East High street; George A. Boyd, 201 East Willow Grove avenue; McCloskey & Bahls, Hale Building; George Hogg, 1634 Sansom street; Frederick Elvidso & Son, 5522 Germantown avenue; Robert Killough, Wayne and Duval street.

Church, Fifty-seventh and Washington avenue, \$50,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Ninth Presbyterian Church, Rev. John A. Higgons, Fifty-seventh and Washington avenue. Donor, Craig N. Ligget, 135 North Thirteenth street, Philadelphia. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in two or three weeks.

School Building, Fifty-fifth and Chestnut streets, Philadelphia, \$225,000. Architect, J. Horace Cook, Nineteenth, above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth, above Chestnut street, Philadelphia. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 12x214 feet, copper and composition roof, tile work, waterproofing, metal lath, roof ventilators, metal weatherstrips, maple floors (heating, plumbing and electric work separate bids). Owners taking bids, due May 5th at 1.30 P. M. In addition to those previously reported, Henry L. Brown, 1714 Sansom street; E. F. Fonder, Land Title Building; Mitchell Bros., 2125 Race street; Thomas Reilly, 1618 Thompson street; Warren, Moore & Co., Commercial Trust Building; Wm. R. Dougherty, 1610 Sansom street, and Chas. McCaul Co., 1713 Sansom street, Philadelphia, are figuring.

Girls' Club House (alts.), 1110 to 1116 Sansom street. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, Y. M. C. A., Eighteenth and Arch streets, Philadelphia. Consists of alterations to 4-story factory building for a girls' club house, steam heating, electric lighting. Plans in progress.

Factory, Bridesburg, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Abrasive Material Co., James and Fraley streets, Philadelphia. Brick and terra cotta, reinforced concrete floors, 2 stories, 125x32 feet, slag roof, metal lath, steel sash, fire doors, maple floors (heating, plumbing, electric work, lockers, sprinkler system and elevators reserved). Architects have received bids.

Recreation Building, Carpenter street, near Front. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Education, 537 City Hall. Brick, 1 story, 47x41 feet, asbestos shingle roof, slate and slag roof, metal lath, roof ventilators, iron fences (plumbing, heating and electric work separate bids). Owners taking bids, due May 4th at noon. In addition to those previously reported, P. M. Sax, Hale Building; R. P. Bennis, Chew and Price streets; Wm. Mundy, 228 S. Alder

street; Frank G. Stewart, 1619 Sansom street; Peoples Bros., Commercial Trust Building; Monaghan & Losse, 214 South Twelfth street; I. T. Shoemaker, 1309 Walnut street, are figuring.

Playground, Seventeenth and Catherine sts., Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Education, 587 City Hall. Swimming pool, asbestos shingle and slag roofs, iron fences, reinforced concrete work (plumbing and electric work separate bids). Owners taking bids, due May 4th at noon. In addition to those previously reported, P. M. Sax, Hale Building; R. P. Bennis, Chew and Price streets; Wm. Mundy, 228 S. Alder street; Frank G. Stewart, 1619 Sansom street; Peoples Bros., Commercial Trust Building; Monaghan & Losse, 214 South Twelfth, and I. T. Shoemaker, 1309 Walnut street, are figuring.

Playground, Twenty-sixth and Morris sts., Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Education, 587 City Hall. Consists of swimming pool, asbestos shingle and slag roof (plumbing and electric work separate bids). Owners taking bids, due May 4th at noon. In addition to those previously reported, P. M. Sax, Hale Building; R. P. Bennis, Chew and Price sts.; Wm. Mundy, 228 S. Alder street; Frank G. Stewart, 1619 Sansom street; Peoples Bros., Commercial Trust Building; Monaghan & Losse, 214 S. Twelfth street; I. T. Shoemaker, 1309 Walnut street, are figuring.

Machine Shop, Nicetown, Philadelphia. Engineer, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Reinforced concrete, brick and steel, 3 stories, 80x500 feet, slag roof, blower system of heating, fire doors, steel sash, iron stairs, safety treads (electric work reserved). Owners have received bids.

Toilet Building (alt. and add.), Girard College, Philadelphia. Architect, J. H. Windrim, Commercial Building, Philadelphia. Owners, Stephen Girard Estate, Lafayette Building, Philadelphia. Stone, brick, concrete and steel, 1 story, slate roof, steam heating, elec-

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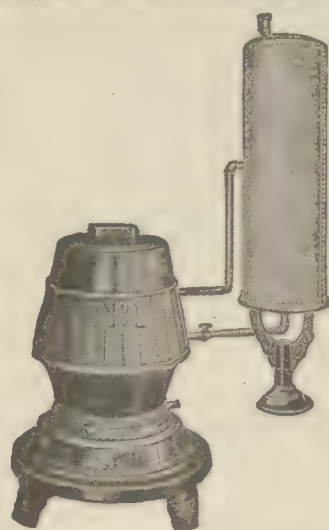
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Bridge, Island avenue, over P. B. & W. R.R.
Engineer, private plans. Owners, City of
Philadelphia, Department of Public Works,
Geo. E. Datesman, Director, City Hall. Con-
crete and steel. Owners taking bids, due May
4th at noon. Plans may be obtained at room
416 City Hall.

Residences (18), Ann and Tulip streets.
Architect, private plans. Owner, James
Arthur, 2341 E. Somerset street, Philadelphia.
Brick, 2 stories, 14x40 feet, slag roof, hot air
heating, combination lighting. Owner is ready
for sub-bids.

Gate, Lodge and Hall, Fairmount Park,
Philadelphia. Architects, Mellor & Meigs,
205 S. Juniper street, Philadelphia. Owners,
Zoological Society of Philadelphia, on prem-
ises. Stone, 1 story, slate roof, iron gates and
fence. Owners have received bids.

Lft Building, Nicetown, Philadelphia.
Architect, Thomas B. Lippincott, Stephen
Girard Building, Philadelphia. Owners, Mid-
vale Steel Co., Widener Building, Philadel-
phia. Reinforced concrete, brick and terra
cotta, 4 stories, 40x112 feet, and 82x120 feet,
Barretts roof, vacuum heating, electric light-
ing, steel sash, safety treads, elevator, kala-
mein doors, sprinkler system, ornamental iron
work, fire doors, maple floors. Owners have
received bids.

Chapel and Rectory, Mascher and Master
streets, Philadelphia. Architect, Peter F.
Getz, 1634 North Sixth street, Philadelphia.
Owners, Sacred Heart R. C. Church, care Rev.
Francis Tomanyi, 1425 Kensington avenue.
Brick, stone trimmings; Chapel, 2 stories, 48x
68 feet; Rectory, 2 stories, 16x50 feet, slag
roof, pine floors, metal lath, waterproofing,
iron stairs (heating, plumbing and electric
lighting separate bids). Architect has re-
ceived bids.

Parish House, High street, above German-
town avenue. Architects, Geo. Nattross &
Son, Twelfth and Walnut streets, Philadel-
phia. Owners, St. Michaels P. E. Church, Rev.
Gilbert Pember, 244 High street. Stone, $2\frac{1}{2}$
stories, 33x103 feet, slate roof, pine boars
(heating and electric work reserved). Arch-
itects taking bids, due May 3d. The follow-
ing are figuring; Specht & Sperry, Heed Build-
ing; Chas. J. Appleton, Heed Building; Geo.
Hogg, 1634 Sansom street; A. H. Williams'
Sons, 419 Locust street; Pomeroy Const. Co.,
1609 Ranstead street; Thos. C. Trafford, 1613

Sansom street, Philadelphia; John T. Worrell,
Rosemont, Pa.

Residence and Garage, Chestnut Hill, Phila-
delphia, \$150,000. Architect, Horace Trum-
bauer, Land Title Building, Philadelphia.
Brick and stone, $2\frac{1}{2}$ stories, slate roof, hot
water heating, electric lighting, tile work,
hardwood floors. Architect taking bids, due
May 8th. The following are guring: Stacy
Reeves & Sons, 2011 Market street; Metzger
& Fisher, Denckla Building; Geo. A. Fuller
Co., Widener Building; Pringle Borthwick,
8018 Germantown avenue; Jacob Myers &
Sons Co., Witherspoon Building; Milton W.
Young, Overbrook, Pa.

Stable and Garage (alt. and add.), St. Mar-
tin's Philadelphia. Architects, Brockie &
Hastings, 1713 Sansom street, Philadelphia.
Owner, Samuel F. Houston, Real Estate Trust
Building. Stone and plaster, 2 stories, slate
roof, electric lighting, metal lath, dampproof-
ing (hot water heating separate bid). Owner
taking bids. John E. Walt, 204 E. Willow
Grove avenue; Pringle Borthwick, 8018 Ger-
mantown avenue, and Wm. J. Gruhler & Co.,
219 E. High street, are figuring. Owner is
also taking sub-bids.

Garage, Wynnefield, Philadelphia. Archi-
tect, E. D. Slater, 4907 Wynnefield avenue,
Philadelphia. Owner, E. F. Kurtz, 43 North
Second street, Philadelphia. Stone, 1 story,
23x25 feet, shingle roof, cement floors, metal
lath. Architect has received bids.

Toilet Building (alt. and add.), Girard Col-
lege, Philadelphia. Architect, J. H. Windrim,
Commonwealth Building, Philadelphia. Own-
er, Stephen Girard Estate, Lafayette Build-
ing, Philadelphia. Stone, brick, concrete and
steel, 1 story, slate roof, steam heating, elec-
tric lighting, metal lath. Architect taking
revised bids, due May 5th. The following
are figuring: Cramp & Co., Denckla Build-
ing; F. W. Van Loon, Denckla Building; H.
E. Baton, Twelfth and Sansom street; A.
Raymond Raff Construction Co., 1635 Thomp-
son street.

Store and Office Building, northwest corner
of Fifteenth and Walnut streets. Architect,
Frank E. Hahn, 1112 Chestnut street, Phila-
delphia. Owner, Albert S. Marks, 210 South
Fifth street, Philadelphia. Reinforced con-
crete, brick and terra cotta, 5 stories, 24x118
feet, slag roof, steam heating, electric light-
ing, tile work, waterproofing and dampproof-
ing, maple and oak floors, electric elevator,

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iron stairs, safety treads, kalamein doors, roof ventilators, fire doors (office partitions reserved). Architect taking bids, due May 10th. The following are figuring: George & Borst, 277 South Eleventh street; Metzger & Fisher, Denckla Building; Freund-Siedenbach Co., Bulletin Building; Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth street; H. E. Baton, Twelfth and Sansom streets; Warren, Moore & Co., Commercial Trust Building; Frank G. Stewart, 1619 Sansom street; Stacy Reeves & Sons, 2011 Market street; A. Raymond Raff Construction Co., 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; I. T. Shoemaker, 1324 Walnut street; Lam Building Co., 1001 Wood street; Turner Concrete Steel Co., 1713 Sansom street; J. Sims Wilson Co., 1125 Brown street.

Vault, Eleventh and Filbert streets, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of Pennsylvania, Seventeenth and Arch streets. Brick and concrete. Architect taking bids, due May 5th. H. H. Burrell, 206 South Quince street, and F. W. Van Loon, Denckla Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia, are figuring.

Stores (alts.), 1403-05-07 South street, Philadelphia. Architect, Frank E. Hahn, 1114 Chestnut street, Philadelphia. Owners, R. & F. P. Jacobs, Broad and South streets, Philadelphia. Consists of alterations to three stores. Architect taking bids, due May 2nd. Lam Building Co., 1001 Wood street, and H. Reusswick, 137 North Tenth street, are figuring.

Factory Building, Butler and Janney sts., Philadelphia. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owners, Belmont Packing and Rubber Co., 133 North Second street. Brick, 1 or 2 stories, 80x130 feet, slag roof, maple floors (heating, electric work and elevator reserved). Architect taking bids, due May 8th. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; Philip Haibach Contracting Co., Twenty-sixth and Thompson streets; E. E. Hollenback, Fifteenth and Race streets; George Kessler Contracting Co., Drexel Building; Ketcham & McQuade, 1029 Brown street; A. Raymond Raff Construction Co., 1635 Thompson street; H. P. Schneider, 3715 Old York road; George & Borst, 277 South Eleventh street; Burd P. Evans, Thirteenth and Wallace streets; George L. Sipps, 918 Locust street; Metzger & Fisher, Denckla Building; H. H. Wehmeyer, 1004 Lehigh avenue; Charles C. Pace, Merion, Pa.

Factory (alt. and add.), 1906 to 1912 North Sixth street, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Own-

ers, Pringle Electrical Mfg. Co., on premises. Brick, 3 stories, slag roof, maple floors, fire doors (heating and electric work reserved). Architects taking bids, due May 6th. The following are figuring: Metzger & Fisher, Denckla Building; Harry Gill, Jr., 2515 Germantown avenue; E. E. Hollenback, Fifteenth and Race streets; Stacy Reeves & Sons, 2011 Market street; Wm. R. Dougherty, 1610 Sansom street.

Apartments and Stores (alt. and add.), Queen lane and Lawrence street. Architects, Heacock & Hokanson, Bailey Building. Owner, Walter Rothwell, Hatboro, Pa. Brick, 3 stories, tin and slag roof, metal lath, steam or vapor heating, electric lighting, tile work. Architects taking bids, due May 6th. The following are figuring: F. Elvidge & Son, 5522 Germantown avenue; William H. Eddleman & Son, 453 Green lane; F. B. Davis, 240 North Sixteenth street; E. J. Kreitzburg, 1345 Arch street; William C. Wright, 22 Harvey street; Samuel Krewson, Hatboro, Pa.; George Glenn, Hatboro, Pa.

Store and Apartments, Germantown avenue and Cumberland street. Architects, Koelle, Speth Co., Twenty-sixth and Oxford streets. Owner, Henry Breyer, Ninth and Cumberland streets. Brick, 2 stories, slag roof, steam heating, electric lighting. Owner taking revised bids, due May 3rd. The following are figuring: Koelle, Speth & Co., Twenty-sixth and Oxford streets; Harry Gill, Jr., 2525 Germantown avenue; Jacob Gaertner, 2214 North Third street; Stewart Bros., 2526 North Orkney street.

Gate Lodge and Wall, Fairmount Park, Pa. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owners, Zoological Society of Philadelphia. Stone, 1 story, slate roof, iron gates and fence. Lowest bidder, Mitchell Bros., 2125 Race street, \$5,379.

Bungalow, Roxborough, Philadelphia. Architect, J. Oliver Potts, Glenside, Pa. Owner, George Flint, 5708 Ridge avenue, Philadelphia. Stone, 2 stories, 48x60 feet, tile roof, steam heating, electric lighting, tile work, hardwood floors. Architect taking bids, due May 6th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; Wm. H. Eddleman & Son, 453 Green lane; Samuel Harting, 20 East Johnson street.

Apartment House, 6733 Emlen street. Architect, Walter Thomas Mayo, 1701 Chestnut street. Owner, M. J. Walsh, on premises. Brick and terra cotta, 4 stories, 26x119 feet; two wings, each 100x41 feet, slag roof, vapor heating, tile work, hardwood floors, metal lath, electric lighting, elevator. Owner is taking sub-bids.

Factory, Sepviva and Butler streets. Architect, Carl P. Berger, 1418 South Penn Square. Owners, Belmont Packing and Rubber Co.,

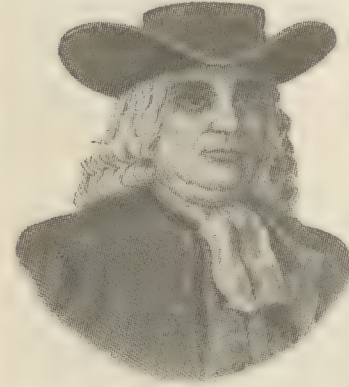
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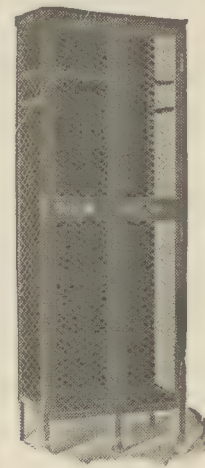


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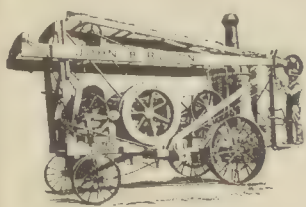
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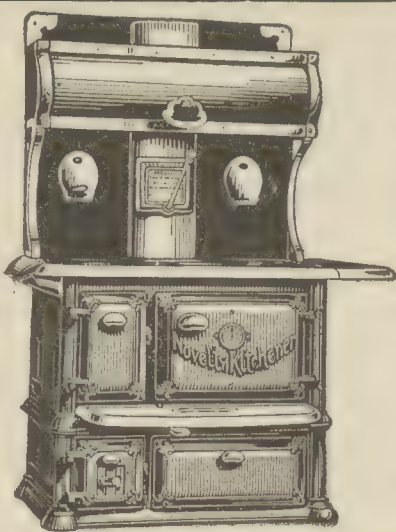


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133 North Second street. Brick, 2 stories, 80x130 feet, slag roof, steam heating, electric lighting, elevator. Architect taking bids, due May 8th. George & Borst, 277 South Eleventh street, are figuring.

Garage, 6334 Sherwood road. Architect, private plans. Owner, Matthew M. Gilmore, 826 Walnut street. Stone and plaster, 2 stories, slate roof, electric lighting. Owner about ready for bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage, 1520-22 Unity street, Philadelphia. Architect, private plans. Owners, Frankford Grocery Co., Penn and Unity streets. Brick, 1 story, 76x38 feet, slag roof, electric lighting, cement floors (gasoline storage system reserved). Contract awarded to Barclay White & Co., Perry Building, Philadelphia.

Bridge, over Hortter street, Germantown. Engineer, A. C. Shand, Broad St. Station, Philadelphia. Owners, Penna. Railroad Co., Broad St. Station, Philadelphia. Reinforced concrete. Contract awarded to John Goll & Co., 1539 Filbert street, Philadelphia.

Church, Hancock and York streets, Philadelphia, \$21,000. Architects, Chas. W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Alpha Baptist Church, care architects. Stone and terra cotta, 1 story, 50x100 feet, slate roof, steam heating, electric lighting. Contract awarded to Charles J. Appleton, Heed Building, Philadelphia.

Convent, Thirty-eighth and Spring Garden streets, Philadelphia. Architects, E. F. Durang & Son, 10 South Eighteenth street, Philadelphia. Owners, St. Agatha's R. C. Church, Rev. Michael C. Donovan, 3813 Spring Garden street. Stone and brick, 3 stories, 45x135 feet, promenade tile and slate roof, hollow tile partitions, tile and marble work (heating, plumbing and electric work separate bids). Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Garage, 3409 Race street, Philadelphia, \$3,500. Architect, Albert E. Schenk, Real Estate Trust Buildin, Philadelphia. Owner, Walter M. Stoin, on premises. Brick and plaster, 2 stories, 31x21 feet, slag roof, metal lath, cement floors (heating, plumbing and electric work separate bids). Contract awarded to E. E. Hollenback, Fifteenth and Race streets.

Residence (alt. and add.), 3805 Locust st., Philadelphia. Architects, Edward F. Hoffman, Jr., and Furness, Evans & Co., Provident Building, Philadelphia. Owner, Edward F. Hoffman, Pennsylvania Building, Philadelphia. Brick, 2 stories, addition, 15x19 feet, slag roof, electric lighting (heating reserved). Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Store Building (alt. and add.), 1714 Walnut street, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, T. M. Fitzgerald, Lansdowne, Pa. Lessee, Luigi Rienzi, on premises. Brick, 3 stories, slag roof, oak and yellow pine floors, reinforced concrete floors, tile and marble wrk, iron stairs, safety treads (heating, plumbing and electric work separate bids). Contract awarded to Charles McCaul Co., 1713 Sansom street.

Survey Office (alt. and add.), Church street, Frankford, \$3,500. Architect, private plans. Owners, City of Philadelphia, Department of Public Works, Geo. E. Datesman, Director, City Hall, Philadelphia. Brick, 2 stories, slag roof, oak floors, metal ceilings (heating, plumbing and electric work separate bids). Contract awarded to McCloakey & Bahls, Hale Building, Philadelphia.

Loft Building, Thirteenth and Wood streets, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Benjamin Alexander, Hale Building, Philadelphia. Reinforced concrete, brick and terra cotta, 8 stories, 69x176 feet, slag roof, steam heating, electric lighting, marble and tile work, roof ventilators, fire doors, iron stairs, safety treads, (2) electric elevators, damp-proofing, radial brick stack, steel sash. Contract awarded to Cramp & Co., Denckla Build-

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ing, Philadelphia.

Factory, 113 and 115 North Broad street, Philadelphia. Architect, Max Haupt, Drexel Building, Philadelphia. Owners, Louis Brody & Co., 121 North Second street, Philadelphia. Brick, 5 stories, 52x81 feet, slag roof, roof ventilators, fire doors, metal sash, yellow pine floors (plumbing, heating, electric work, elevator and sprinklers reserved). Contract awarded to H. C. Dahl, 231 South Eighth st., Philadelphia.

Church (alt. and add.), 2240 North Twentieth street, Philadelphia, \$9,000. Architect, I. L. James, 2113 Columbia avenue. Owners,

Berachah Church, Rev. C. N. Palmer, on premises. Brick, stone trimmings, 1 story, slate roof, steam heating, electric lighting, pine floors. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Residence, Seminole avenue, St. Martins, Philadelphia. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, James Pollock, 8025 Seminole avenue, St. Martins, Philadelphia. Stone and timber, 3 stories, shingle roof, hot air heating, combination lighting, tile baths, hardwood floors. Contract awarded to John E. Walt, 204 East Willow Grove avenue.

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PENNSYLVANIA Construction News

Residence (alt. and add.), Cornwells, Pa. Architect, C. W. Ladd, 52 Vanderbilt avenue, New York City. Owners, name withheld. Brick and stucco, 2½ stories, slate roof, oak floors (heating and electric work reserved). Architect has received bids.

Residences (6), Easton, Pa., \$76,000. Architect, E. H. Wenzelberger, Easton, Pa. Owner, Christopher Gebhart, Easton, aP. Brick, 2 stories, 14x48 feet, slag roof, hot air heating, combination lighting. Architect ready for bids.

Hospital and Nurses Home, Easton, Pa. Architect, W. M. Michler, Easton, Pa. Owners, Easton General Hospital, Easton, Pa. Hollow tile and stucco, 3½ stories, 235x173 feet, steel sash, elevators. Plans in progress.

Residence, Easton, Pa., \$13,000. Architect, W. M. Michler, Easton, Pa. Owner, Wm. Prellwitz, Easton, Pa. Brick and stucco, 2½ stories, 48x33 feet, slate roof, steam heating. Owner taking revised bids.

Residence, Easton, Pa., \$15,000. Architect, W. M. Michler, Easton, Pa. Owner, Raymond Wood, Easton, Pa. Stone, 2½ stories, 63x35 feet, tile and slate roof (heating reserved). electric and gas lighting, tile and hardwood floors. Plans completed. Architect ready for bids.

Residences (2), Rydal, Pa., \$35,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 81x36 feet and 77x33 feet, shingle roofs, hot water heating, electric lighting, oak floors, tile work. Architects taking bids, due May 5th. The following are figuring: J. B. Flounders, 1329 Arch street; Specht & Sperry, Heed Building; Metzger & Fisher, Denckla Building; Geo. F. Payne & Co., 401 S. Juniper street; Henry L. Brown, 1714 Sansom street; W. John Stevens, Wyncote, Pa.; Harry Murphy, Willow Grove, Pa.; E. D. Lever, Abington, Pa.; J. Sims Wilson Co., 1125 Grove street; Jos. Ashby, Fox Chase, Philadelphia; Milton W. Young, Overbrook, Philadelphia.

Virus Building, Ridgway, Del. Co., Pa. Architect, private plans. Owners, H. K. Mulford Co., care C. L. Baker, Jr., Glenolden, Pa. Store, hollow tile and concrete, 1 story, 31x

200 feet, asphalt shingle roof, metal doors, roof ventilators, metal lath, concrete floors (plumbing, heating, electric work, painting reserved). Owners taking bids, due May 4th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Thomas M. Seeds, Inc., 1207 Race street; A. L. Carhart, Hale Building; Concrete Construction Co., 2060 Market street; Brown-King Construction Co., Commercial Trust Building, Philadelphia.

Residence (alt. and add.) and Farm Buildings, near Meia, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Firman Furness, Media, Pa. Stone and frame, 2½ stories, consists of alterations and additions to residence, barn, cottage, wagon shed and greenhouse, shingle roofs, electric lighting, hot water heating, hardwood floors, tile work. Architects taking bids, due May 5th. The following are figuring: H. H. Burrell, 206 S. Quince street; James B. Flounders, 1329 Arch street; Wm. R. Dougherty, 1610 Sansom street; Philadelphia; J. D. Lengel, Wayne, Pa.; Geo. L. Croll, Rosemont, Pa.

Factory, Mohrsville, Pa., \$15,000. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owners, James H. Wagner & Co., Mohrsville, Pa. Reinforced concrete and brick, 1½ stories, 62x157 feet, concrete and slag roof, steam heating, electric lighting, reinforced concrete and maple floors, waterproofing and dampproofing, sprinkler system, steel sash and frames. Plans in progress.

Residences (45), Wyomissing, Pa., \$125,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, Irvin F. Impink, 112 North Eleventh street, Reading, Pa. Brick, 2½ stories, 26x30 feet, shingle roof, hot air heating, combination lighting, hardwood floors. Plans in progress.

Church, Sunday School and Parsonage, Palmerton, Pa., \$22,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Trinity United Evangelical Church, Rev. D. R. Hart. Brick and stone, 1½ stories, and 2½ stories, 80x100 feet, slate roof, vapor heating, electric lighting, maple floors, waterproofing. Plans in progress. Ready for bids in one week.

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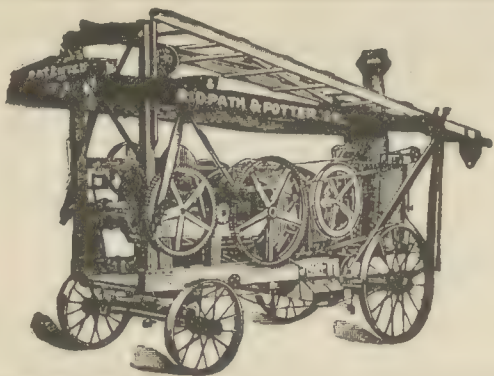


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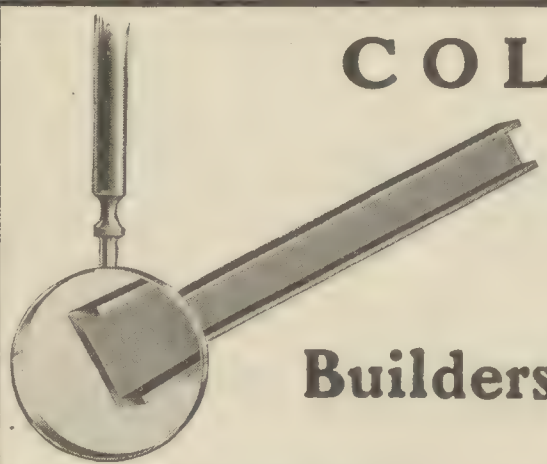


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Residence, St. Lawrence, Pa., \$4,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, Charles Behm, 308 South Fifteenth street, Reading, Pa. Brick, 2½ stories, 30x31 feet, shingle roof, hot water heating, combination lighting, tile and hardwood floors. Plans in progress.

Hotel, Shartlesville, Pa., \$6,000. Architect, Wayne M. High, 418 Penn street, Reading, Pa. Owners, Fleetwood Building Association, Fleetwood, Pa. Brick, 2½ stories, 14x50 feet, slate and slag roof. Plans in progress. Ready for bids in about two weeks.

Residences (50), Fleetwood, Pa., \$90,000. Architect, Wayne M. High, 418 Penn street, Reading, Pa. Owners, Fleetwood Building Association, Fleetwood, Pa. Brick, 2½ stories, 14x50 feet, slate and slag roof. Plans in progress. Ready for bids in about two weeks.

Factory Building, Reading, Pa. Architect, Fred Muehlenberg, Colonial Trust Building, Reading, Pa. Owners, Penna. Optical Co., care W. W. Easick, Reading, Pa. Reinforced concrete and brick, 4 and 1 story, 229x93 feet, asbestos or slag roof, metal lath, waterproofing, steel sash, fire doors, safety treads, yellow pine floors, roof ventilators (plumbing, heating, electric work and dumbwaiters reserved). Architects taking bids, due May 6th. The following are figuring: Turner Concrete Steel Co., 1713 Sansom street; Concrete Const. Co., 2009 Market street; Roydhouse-Arey Co., Fidelity Building; James H. Wells, Heed Building, Philadelphia; L. H. Fecht & Chas. H. Schlegel, Reading, Pa.; John Wickersham, Lancaster, Pa.; J. W. Ferguson, Patterson, N. J.; United Fireproofing Co., 8 W. Fortieth street, New York City.

School, Northampton Heights, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Geo. E. Borman, secretary, South Bethlehem, Pa. Brick, stone trimmings, 2 stories, 120x69 feet, slate and asbestos roof, metal lath, dampproofing, safety treads, reinforced concrete floors, roof ventilators, kalamein doors, pine floors (heating, plumbing and electric work separate bids). Owners have received bids.

School Building, Newtown, Pa. Architect, Frank N. Reilly, Pottsville, Pa. Owners, Reilly Township, Schuylkill County, Board of Education, Newtown, Pa. Brick, 1 story, 77x39 feet, shingle roof, hollow tile (heating, plumbing and electric work separate bids).

Owners taking bids, due April 29th. E. J. Kreitzburg, 1345 Arch street, is figuring.

Factory Building, eReading, Pa. Architect, Fred Muehlenberg, Colonial Trust Building, Reading, Pa. Owners, Penna. Optical Co., care W. W. Easick, Reading, Pa. Reinforced concrete and brick, 4 and 1 stories, 229x93 feet, asbestos or slag roof, metal lath, dampproofing, steel sash, fire doors, safety treads, yellow pine floors, roof ventilators (plumbing, heat, electric work elevators and dumbwaiters reserved). Architect taking bids, due May 6th. Turner Concrete Steel Co., 1713 Sansom street, and Concrete Construction Co., 2009 Market street, Philadelphia, are figuring, in addition to those previously reported.

Residence, Merion, Pa. Architects, Druckenmiller & Williams, Land Title Building. Owner, A. M. Lewis, Merion, Pa. Stone, 2½ stories, tin roof, electric lighting, hot water heating, hardwood floors. Revised plans in progress. Architects will be ready for bids in a few days.

Fire House, Ambler, Pa. Architects, Watson H. Phillips, 430 Walnut street, Philadelphia. Owners, Wissahickon Fire Co., Ambler, Pa. Brick, stone trimmings, 2 stories, 30x94 feet, slag roof, steam or hot water heating, electric lighting. Plans in progress. Architect will take bids in about two months.

Garage, Quaker Valley, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, C. P. Byrnes, Quaker Valley, Pa. Stone and plaster, 2 stories, shingle roof, hot water heating. Plans completed. Owner ready for bids.

Engine Room (alts.), Darby, Pa. Engineers, Willard Case & Co., 17 Battery Place, New York City. Owners, Griswold Worsted Mills, Darby, Pa. Steel sash, concrete foundations, asbestos and slag roof. Engineers taking bids, due May 1st. George & Borst, 277 South Eleventh street, and Monaghan & Losse, 214 South Eighth street, Philadelphia, are figuring.

Residence (alts.), Cynwyd, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, J. Rea Patterson, Cynwyd, Pa. Plumbing, heating, electric work, hardwood floors, tile work separate bids. Architects taking bids, due as soon as possible. H. E. Grau Co., 1707 Sansom street, and James H. Wells, Heed Building, Philadelphia, are figuring.

Residence and Garage, Hollidaysburg, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 55x34 feet, wing 26x20 feet; garage, 2 stories, 20x24 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Plans about completed. Architects will take bids in a few days.

School Building, Treverton, Pa., Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, James A. Scott, secretary, Treverton, Pa. Brick, stone trimmings, 2 stories, 95x120 feet, slate roof, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids. The following are figuring: J. L. Menough & Co., York, Pa.; George H. Keefer, Mt. Carmel, Pa.; Shamokin Lumber Co., Shamokin, Pa.; Jacob Nagle, Allentown, Pa.; But & Clader, Allentown, Pa.

Swimming Pool, Bryn Mawr, Pa. Architect, Wilbur Henry Tusler, 204 South Quince street, Philadelphia. Owner, William Laurence Saunders, 2nd, Bryn Mawr, Pa. Concrete and brick, 28x40 feet, tile work. Architect taking bids, due May 8th. George & Borst, 277 South Eleventh street; H. H. Burrell, 206 South Quince street; Pringle Borthwick, 8018 Germantown avenue, and Milton W. Young, Overbrook, Philadelphia, are figuring.

Pennsylvania Contracts Awarded

Residence, Media, Pa., \$15,000. Architects, Savery & Scheetz & Savery, St. Girard Building, Philadelphia. Owner, Caroline C. Biddle, Media, Pa. Stone, 2½ stories, 46x36 feet, slate roof, hot water heating, tile work, oak floors, mantel and book cases, electric lighting. Contract awarded to R. C. Ballinger & Co., 213 North Thirteenth street, Philadelphia.

Reservoir (repairs), Norristown, Pa., \$4,000. Engineer, W. W. Hibbert, Hale Building, Philadelphia. Owners, State Hospital for Insane, Norristown, Pa. Consists of resurfacing concrete reservoir. Contract awarded to Carl R. Camp, Crozer Building, Philadelphia.

Silk Mill and Power House, Wilkes Barre, Pa., \$110,000. Architect, Geo. S. Welsh, Coal Exchange Building, Wilkes Barre. Owners, Duplan Silk Co., Fourth avenue and Seventeenth street, New York City. Reinforced concrete, terra cotta, brick and hollow tile, 1 story, 162x200 feet; power house, 1 story, 77x44 feet, slag roof, iron stairs, safety treads, fire doors, maple floors, steel sash, kalamein doors (heating and electric work reserved). Contract awarded to United Fireproofing Co., 8 West Fortieth street, New York City.

Residence and Garage, Merion, Pa., \$20,000. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Dr. G. A. Van Lennep, 1825 Chestnut street, Philadelphia. Stone, 2½ stories, 50x38 feet, wing 22x18 feet, slate roof, vapor heating, electric lighting, oak floors, tile work, metal lath. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

Residence, Swarthmore, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Samuel G. Palmer, Swarthmore, Pa. Stone and frame, 2½ stories, 36x29 feet, shingle roof, yellow pine floors (heating, plumbing and electric work separate bids). Contract awarded to J. D. Durnall, Swarthmore, Pa.

Factory Building, Darby, Pa., \$50,000. Architects, Willard Case & Co., 17 Battery Place, New York City. Owners, Griswold Worsted Co., Darby, Pa. Brick, 4 stories, 100x55 feet, asbestos roof, steel sash, iron stairs, safety treads, roof ventilators, fire doors, maple

floors, waterproofing (heating, plumbing and electric work reserved). Contract awarded to George & Borst, 277 South Eleventh street, Philadelphia.

Residence, Bushkill Park, Pa. Architect,

E. H. Wenzelberger, Easton, Pa. Owner, Mrs. Snyder, care architect. Brick, 2 stories, 32x38 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Contract awarded to Lewis Mrganstern, Easton, Pa.

feet, Barretts roof, steam heating, electric lighting, wire work, metal lath, waterproofing, cabinet work, re doors, metal weatherstrips, marble, tile and terrazzo work, hollow tile and concrete fireproofing. Contract awarded to J. S. Rogers Co., Moorestown, N. J.

Residence, Wenonah, N. J. Architect, J. Fletcher Street, Wenonah, N. J. Owner, Edward Knight, Wenonah, N. J. Hollow tile and plaster, 2½ stories, 34x32 feet; wing, 20x20 feet; shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to John L. Drummer, Wenonah, N. J.

Factory Building, Camden, N. J., \$50,000. Architect, private plans. Owners, Jersey Leather Co., 1067 North Second street, Camden, N. J. Brick, 2 stories, 250x110 feet, slag roof (heating, electric work and elevators reserved). Contract awarded to A. Raymond Raff Construction Co., 1635 Thompson street, Philadelphia.

NEW JERSEY Construction News

Residence, Sumner, N. J. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Frank H. Bachman, 1512 Chestnut st., Philadelphia. Brick and plaster, 2 stories, 61x42 feet, shingle and tin roof, oak floors, tile work, book cases, mantles, waterproofing (heating and electric work reserved). Architect taking revised bids, due May 4th. The following are figuring: Milton W. Young, Overbrook, Philadelphia; Geo. W. Shuner, Palmyra, N. J.; J. S. Rogers Co., Moorestown, N. J.

Fire House (add.), Morris Plains, N. J. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, N. J. State Hospital for the Insane, Morris Plain, N. J. Hollow tile and plaster, 2 stories, 31x41 feet, slag roof, metal lath, reinforced concrete floors. Owners taking bids, due May 5th at 2 P. M. James P. Farrell & Co., Inc., 1619 Sansom street, Philadelphia, are figuring.

Ward Building (alts.), Morris Plains, N. J. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, N. J. State Hospital for the Insane, Morris Plains, N. J. Consists of alterations to fourth floor, slate and asphalt roof, metal lath. Owners taking bids, due May 5th at 2 P. M. James P. Farrell & Co., Inc., 1619 Sansom street, are figuring.

Residence (alts.), Riverton, N. J. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Charles C. Miller, Riverton, N. J. Brick and stone, consists of new porches and interior alterations, tin roof. Architects taking bids, due May 2d. The following are figuring: F. B. Davis, 240 North Sixteenth street, Philadelphia; Geo. W. Shaner & Son, Palmyra, N. J.

Residence (alt. and add.), Woodbury, N. J. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Dr. Gilbert J. Palen, 2102 Chestnut street, Philadelphia. Frame, 2* stories, shingle roof, hot air heating, electric lighting tile work, hardwood floors. Architect taking revised bids, due May 3d. The following are figuring: Joseph Best, Clifford A. Green, W. D. Fletcher, all of Woodbury, N. J.; Charles C. Thurlow, Mantua, N. J., and F. T. Mercer Co., 1706 Delancey street, Philadelphia.

Bungalow, Ventnor avenue and Madison

Place, Ventnor, N. J. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Mrs. Maud M. Neel, Ventnor, N. J. Brick and frame, 1½ stories, 40x33 feet, asphalt shingle roof, electric lighting, hot water heating. Architects taking bids, due May 5th. The following are figuring: James Yates, Pleasantville, N. J.; Clayton Shappell, Atlantic City, N. J.; T. Nichols, Atlantic City; C. B. Thompson, Atlantic City, and J. Mathis & Son, Atlantic City, N. J.

Hospital Building, Spring Lake, N. J. Architects, Magaziner & Potter, 603 Chestnut st., Philadelphia. Owners, May Memorial Hospital, Spring Lake, N. J. Brick, stone trimmings, 3 stories, 122x30 feet, wing 34x42 feet, slate and slag roof, roof ventilators, reinforced concrete floors, mackite partitions, waterproofing, metal lath, safety treads, electric lighting, tile work, steel sash (heating reserved). Architects taking bids, due May 6th. In addition to those previously reported, Thomas C. Trafford, 1613 Sansom st., Philadelphia, is figuring.

Factory Building, New Brunswick, N. J. Architects, Ballinger & Perrot, 1700 Arch st., Philadelphia. Owners, Newkrast Co., New Brunswick, N. J. Reinforced concrete and brick, 1 story, at present time, later to be 3 stories, slag roof, electric lighting. Architects have received bids.

School Building, Laurel Springs, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Board of Education, Laurel Springs, N. J. Brick, stone trimmings, 2 stories, 45x60 feet. Details not yet decided.

Residence, Haddonfield, N. J. Architect, W. W. Sharpley, 328 Chestnut street, Philadelphia. Owner's name withheld. Frame and plaster, 2½ stories, 27x42 feet; wing, 15x18 feet, shingle roof, metal lath, pine floors (hot water heating, plumbing and electric work separate bids). Architect taking bids, due May 5th.

Residence, South Orange, N. J. Architect, E. B. Delk, 34 South Seventeenth street, Philadelphia. Owner, Jacob E. Heyl, 421 Chestnut street, Philadelphia. Hollow tile and plaster, 2½ stories, 26x7 0feet, slate roof, vapor heating, electric lighting, hardwood floors, tile work. Plans completed. Architect will take bids in a few days.

Miscellaneous Construction News

Residence, Wilmington, Del., \$6,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owner, name withheld. Brick and stucco, 2½ stories, slate roof, hot water heating, electric lighting. Architect ready for bids.

Residences (6), Sixth and Rodney streets, Wilmington, \$24,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Peter J. Ford, Ford Building, Wilmington, Del. Brick, 2* stories, 20x45 feet, tile, slate and tin roof, vapor heating, combination lighting, hardwood and tile floors. Plans in progress.

Residence, Penn and Rodney streets, Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Joseph A. Bowe, 909 Adams street, Wilmington. Brick and stone trimmings, 3 stories, 30x50 feet, slate roof, vapor heating, electric lighting, tile and hardwood floors. Lowest bidders, Joyce & Kerrigan, Wilmington, Del.

Residence and Garage, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Frederick A. Wardenburg, 1311 Gilpin avenue, Wilmington. Brick and hollow tile, 2* stories, 52x39 feet, shingle roof, oak floors, tile work, metal lath (heating, plumbing and electric work separate bids). Architects have received bids.

Miscellaneous Contracts Awarded

Department Store (alt. and add.), Market street, Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Braunstein & Co., Wilmington, Del. Brick, steel and terra cotta, 3 stories, 45x150 feet, tin roof, metal skylights, steam heating, combination lighting, tile and hardwood floors, waterproofing. Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

NEW JERSEY Contracts Awarded

Office Building (alt. and add.), 418 Federal street, Camden, N. J. Architect, Private

plans. Owners, Public Service Gas Co., Newark, N. J. Brick addition, 2 stories, 85x40

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Maryland Construction News

Toilet Building, Bayview, Md., \$15,000. Architect, private plans. Owners, City of Baltimore. Brick and concrete, 1 story, 12x46 feet, steam heating, electric lighting, reinforced concrete, plumbing. Plans about completed. Owners ready for bids.

Store and Apartments (alts.), 711 West North avenue. Architects, Sparklin & Childs, Law Building, Baltimore. Owner, Samuel Want, Calvert Building. Consists of general alterations, electric lighting, plate glass, iron work, tile work. Architect ready for bids.

Dwellings (5), Salisbury, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, Mrs. E. E. Jackson, Salisbury, Md. Frame, brick foundation, 2½ stories, shingle roof, hot water heating, combination lighting. Plans about completed. Architect will be ready for bids in about two weeks.

Dwelling, Guilford, Md. Architect, Lawrence Hall Fowler, 347 North Charles street, Baltimore. Owner, Dr. Thomas R. Brown, 19 West Biddle street, Baltimore. Brick, 2½ stories, slate roof, electric lighting, tile work. Plans in progress.

Dwelling, Guilford, Md. Architect, Howard Sill, 11 East Pleasant street, Baltimore. Owner, Jacob S. Detrick, 205 East Preston street, Baltimore. Brick, 2½ stories, electric lighting, tile work. Plans about completed.

High School, Belair, Md. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore, Md. Owners, County School Commissioners of Harford County, care of Philip Close, Superintendent, Belair, Md. Brick, 2 stories, 54x85 feet, slate roof, steam heating, electric lighting. Plans completed. Owners ready for bids.

School and Convent Building, northeast corner of Maryland avenue and Twenty-seventh street, Baltimore, \$40,000. Architect, Hugh I. Kavanaugh, 226 East Eager street, Baltimore. Owners, SS. Philip and James R. C. Church, Rev. J. E. Wade, North Charles street and Twenty-seventh street, Baltimore. Brick, 3 stories, 106x36 feet and 90x32 feet, slag roof, steam heating, electric lighting, concrete work, fireproof stairs and corridors, tile floors, vacuum cleaner. Plans in progress. Will be ready for bids in about two weeks.

Store Building, 220-22 North Howard street, Baltimore. Architects, Baldwin & Pennington, 330 North Charles street, Baltimore. Owners, Safe Deposit and Trust Co., 13 South street, Baltimore. Lessees, Cohen & Hughes, 315 North Howard street, Baltimore. Brick, 5 stories, 30x71 feet, slag roof, steam heating, electric lighting, passenger elevator, tile work. Plans in progress. Builders, Edw. Brady & Son, 1109 Cathedral street, Baltimore, will take sub-bids on all lines.

Theatre, 2207-13 Madison avenue, Baltimore. Architects, Sparklin & Childs, Law Building, Baltimore. Owners, Madison Amusement Co., care of architects. Brick and terra cotta, 4 stories, 55x145 feet, tile, slag and tin roof, steam heating, electric lighting, passenger elevator, cement work, reinforced concrete work, concrete foundations, fire doors, marble work. Revised plans in progress.

Warehouse, Sharp and Osten streets, Baltimore. Architect, private plans. Owners, F. X. Ganter Co., 13 West Pratt street, Baltimore. Brick, 5 stories, 66x156 feet, slag roof, steam heating, electric lighting. Plans about completed. Will be ready for bids in about two weeks.

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MARYLAND

Contracts Awarded

Office Building (add.), 15 East Saratoga street, Baltimore. Architect, Fred E. Beall, 306 St. Paul street, Baltimore. Owner, Daily Record, 321 St. Paul street, Baltimore. Brick, 2 stories, 20x69 feet, slag roof, electric lighting, elevator, skylightings. Contract awarded to H. M. Reinhart & Co., Calvert Building, Baltimore.

Manufacturing Building (alts.), 112-124 West Fayette street, Baltimore. Architect, Clyde N. Friz, Munsey Building, Baltimore. Agents, Wm. Martin & Co., 1 Calvert street, Baltimore. Consists of general remodeling, changing space into stores and factory, electric work, and interior decorating. Contract awarded to John E. Marshall & Son, 121 Mercer street.

Dwelling, Guilford, Md. Architect, Lawrence Hall Fowler, 347 North Charles street, Baltimore. Owners, Misses Fowler, care of

architect. Brick, 2½ stories, 35x65 feet, slate and slag roof, concrete work, hollow tile work, tile floors, stucco work, dampproofing (electric work and heating reserved). Contract awarded to Willard E. Harn Co., 213 North Calvert street, Baltimore.

Warehouse, Peach alley, Baltimore. Architect, private plans. Owner, M. F. Dailey, 1209 Lombard street, Baltimore. Brick, 1 story, 30x150 feet, tin and slag roof, electric lighting, concrete work. Contract awarded to Henry Pierson & Son, 1000 Olive street, Baltimore.

Warehouse, 1213-15 Leadenhall street, Baltimore. Architect, private plans. Owners, Furst Bros. & Co., Race and Ostend streets, Baltimore. Brick, 1 story, 46x155 feet, slag roof, electric lighting. Contract awarded to Henry Pierson & Son, 1000 Olive street, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

W. Fischer (O), 4400 North Franklin street. Cost, \$20,700. Nine residences, brick, 2 stories, 16x46 feet, slag roof, Fifteenth and Wyoming avenue. Cost, \$43,200. Eighteen residences, brick, 2 stories, 16x46 feet, slag roof, Tenth and Rockland streets.

Frank Snodaker (O), Ninth and Tioga streets. Fred Rokenwadel (C), 1148 Rising Sun lane. Cost, \$2,500. Lumber storage shed, brick, 1 story, 84x110 feet, slag roof, Ninth and Tioga streets.

Jacob M. Faust (O), 4611 North Broad street. Cost, \$32,000. Ten residences, Chew street, south side, from Sixth to Fairhill streets.

R. H. Pugh (O), 5713 Market street. Cost, \$3,500. Store and dwelling, brick, 2 stories, 15x52 feet, slag roof, hot water heating, southeast corner Fifty-fifth and Whitby avenue. Cost, \$70,000. Twenty-eight dwellings, brick, 2 stories, 15x44 feet, slag roof, Fifty-fifth and Whitby avenue. Cost, \$3,500. Store and dwelling, brick, 15x52 feet, 2 stories, slag roof, Fifty-fourth and Whitby avenue.

A. Galbreth (O), 4713 Mulberry street. H. A. Leister (C), 1808 Hanson street. Cost, \$2,500. Dwelling, brick, 2 stories, 16x49 feet, 4715 Mulberry street.

E. F. Henson & Co. (O), 921 North Delaware avenue. Wm. Steele & Sons Co. (C),

1600 Arch street. Cost, \$2,500. Engine room, brick, 21x70 feet, slag roof, 1 story, rear of 916 North Delaware avenue.

Magnesia Covering Co. (O), 1310 North American Building. Golden & Greenstein (C), Cambridge Building, Chester, Pa. Cost, \$2,450. Warehouse, brick, general alterations and repairs, 1927-29 Market street.

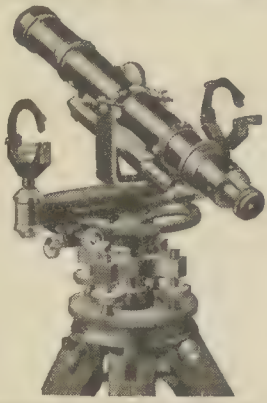
M. Mellor Smith (O), 5009 North Broad street. Lackman & Murphy (C), Witherpoon Building. Cost, \$7,000. Two dwellings, brick, 3 stories, 22x32 feet, slag roof, hot water heating, 5305-07 North Twelfth street.

I. Kleiman (O), Eighty-fourth and Gibson avenue. Cost, \$6,000. Two dwellings, brick, 2 stories, 15x49 feet, slag roof, Fifty-ninth and Sixtieth and Springfield avenue. Cost, \$85,000. Thirty-four dwellings, brick, 2 stories, 15x50 feet, Fifty-ninth and Springfield avenue.

Louis Nottegal (O), northeast corner Clearfield and Bamerry streets. Mark Shoffer (C), 602 Hoffman street. Cost, \$360. Store and dwelling, Clearfield and Bamerry streets.

C. L. Sauter (O), 1419 Locust street. F. L. Hoover & Sons Co. (C), 1023 Cherry street. Cost, \$795. Store, fire damage, 1419 Locust street.

John Ruhl (O), Fifth and Erie avenue. W.



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W. Anstine & Co. (C), 1218 Filbert street. Cost, \$2,000. Store and dwelling, new flooring, etc., Fifth and Erie avenue.

Simon Korenbleth (O), 4915 Woodland avenue. Le Roy K. Smith (C), Forty-first and Chester avenue. Cost, \$500. Store and dwelling, brick, 1 story, Forty-first and Chester avenue.

Eman Baptist Church (O), 234 Coulter st. J. F. Trest (C), 2041 Market street. Cost, \$1,000. Laundry building, fire repairs, 224-26 Coulter street.

Mrs. C. Shirk (O), 439 North Fifty-second street. Frederick Sabin & Co., Inc., 237-39-41 Bread street. Cost, \$475. Dwelling, 439 North Fifty-second street.

Mrs. S. J. McCarty (O), 1300 Marlborough street. Frank Achuff (C), 1600 North Front street. Cost \$500. Dwelling, second story addition, southeast corner Cabot and Marlborough streets.

General Mfg. Co. (O), Thirtieth and Market streets. H. P. Friend (C), Norristown, Pa. Cost, \$1,000. Machine shop, Swanson and Snyder avenue.

S. A. Taulane (O), southwest corner Ninth and Walnut streets. Charles Hoffman (C), 210 Dickinson street. Cost, \$500. Rooming house, fire escape, 804 Pine street.

Jas. T. Nulty (O), Frankford avenue and Church street. Cunningham & Bartholemew (C), 4326 Paul street. Cost, \$980. Garage, Church street and Frankford avenue.

Real Estate Trust Co. (O), Broad and Chestnut streets. Wm. Morrow (C), 320 Harmony street. Cost, \$850. Store, general alterations, 613 Market street.

Morris Simpkins (O), 4425 Main street, Manayunk, Pa. John J. Hurley (C), 4411 Cressen street. Cost, \$600. Store and dwelling, 4429 Main street.

J. H. Stimer (O), 4329 North Ninth street. Ed. Miller (C), 2505 North Tenth street. Cost, \$375. Garage, Darien and Bristol sts.

Stohrers Keystone Pickle Works (O), 118 Spruce street. G. R. Richman (C), 221 Elm avenue. Cost, \$1,600. New boiler, 113 Delancey street.

Mrs. J. Duesch (O), 414 W. Jefferson street. H. C. Leister (C), 1800 Harrison street. Cost, \$500. Dwelling, 414 W. Jefferson street.

Delaware Co. T. T. & Ins. Co. (O), Chester, Pa. D. F. Hoover (C), 4047 Warren street. Cost, \$1,300. Two dwellings, 628-30 North Forty-first street, fire damages.

Geo. B. Newton Coal Co. (O), 1527 Chestnut street. A. Marland (C), 1527 Chestnut street. Demolition.

Fayette R. Plumb (O), northwest corner Tucker and James streets. Wm. Keas (C), 4624 Penn street. Cost, \$3665. Locker, Tucker and James streets.

Geo. E. Drum (O), 2864 Frankford avenue. Cost, \$1,500. Dwelling, alterations, 3227 N. Seventeenth street.

Abram Engard (O), 742 Carpenter street. L. W. Kitschman (C), 125 E. Upsal street. Cost, \$500. Dwelling, brick, second story addition, 742 Carpenter street.

Mrs. E. W. Stokes (O), southeast corner Wissahickon and Westview avenue. Wm. C. Wright (C), 22 Harvey street. Cost, \$450. Garage, 623 Westview avenue.

Eva Cross (O), 5016 Pentridge street. Ray Cross, 5016 Pentridge street. Cost, \$300. Garage, 5012 Pentridge street.

City of Philadelphia (O), City Hall. James P. Farrell (C), 1621 Sansom street. Cost, \$32,200. Former Magdalen home, brick, general alterations, 2 two-story side additions, Twenty-first and Race streets.

Wm. Rock (O), 2463 Fairhill street. Wm. J. Jones (C), 2927 North Fifth street. Cost, \$500. Dwelling, 2463 North Fairhill street.

Powers Weightman Rosengarten Co. (O), Ninth and Parrish streets. Monaghan & Losse (C), 214 South Twelfth street. Cost, \$1,190. Storage shed, Ridge avenue and Calumet street.

street. Lewis Deitrich (C), 3016 Comley street. Cost, \$375. Dwelling, 3214 Comly street.

Prudential Worsted Mills (O), Orthodox and Large streets. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$23,000. Factory, northeast corner of Orthodox and Large streets.

H. N. Randall (O), 424 Walnut street. A. S. Townson, Jr. (C), 7014 Boyer street. Cost, \$800. Garage, stone, 1 story, 508 East Sedgwick street.

C. R. Hansell (O), 6909 Boyer street. A. S. Tourison, Jr. (C), 7014 Boyer street. Cost, \$600. Garage, stone, 1 story, 19x23 feet, 6909 Boyer street.

American Radiator Co. (O), 115 North Broad street. H. E. Grau Co. (C), 1707 Sansom street. Cost, \$25,000. Warehouse, brick,

1 story, 134x120 feet, Wharton and Taylor streets.

Annie E. Miller (C), 4900 Parkside avenue. Henry P. Schneider (C), 3713 Old York road. Cost, \$650. Dwelling, 4900 Parkside avenue.

Herman Switt (O), 5920 Walnut street. William M. Wyatt (C), 62 North Sixty-first street. Cost, \$1,000. Store, Sixtieth and Girard avenue.

T. Morris Perot, Jr. (O), Lafayette Building. John Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$600. Fire escape, lodge room, 1033-35 West Girard avenue.

George A. Nahm (O), 2736 Girard avenue. Cost, \$600. Garage, brick and stone, 1 story, 2824 Girard avenue.

A. J. Krimin (O), 1005 Randolph street. Frank J. Stoll (C), 1432 Germantown avenue. Cost, \$475. Dwelling, 1005 North Randolph street.

Pennsylvania Railroad Co. (O), Broad Street Station. William N. Thompson (C), 1539 Filbert street. Cost, \$5,000. Freight building, alteration, Front and Berks sts.

Paul E. Sutro (O), 5115 Wissahickon avenue. Cost, \$2,000. Garage, brick, 2 stories, 28x22 feet, 5115 Wissahickon avenue.

Henry McCann (O), 2445 East Cumberland street. Henry A. Hobert (C), 2630 East Cumberland street. Cost, \$350. Store and dwelling, 2443 East Cumberland street.

Mrs. Robert Gilmore (O), 1332 Arrott street. James Spear Stove and Heating Co. (C), 1823 Market street. Cost, \$400. Dwelling, 1332 Arrott street.

John Gross (O), northwest corner Sixty-fifth and Girard avenue. Mowrer Bros. (C), Merion, Pa. Cost, \$400. Retaining wall, Sixty-fifth and Girard avenue.

R. H. Foerderer Club (O), 3743 Frankford avenue. Otto Schumann, Jr. (C), 1629 Worrell street. Cost, \$1,725. Club house, 3743 Frankford avenue.

Haslam & Querner (O), Howard and Lehigh streets. George Kennington (C), 2435 Hope street. Cost, \$1,100. Dye house, new roof and general alterations, Howard and Lehigh avenue.

Elizabeth Greenwood (O), 2202 Amber street. William E. Stone (C), 2069 East Dauphin street. Cost, \$850. Store and dwelling, 2202 Amber street.

A. C. Scheen (O), 237 West Wyoming avenue. Cost, \$500. Garage, brick, 20x20 feet, Boulevard, south side, west of Whitaker avenue.

H. C. Killian (O), northeast corner Van Pelt and Susquehanna avenue. Hugh Hazlett & Son (C), 701 North Twentieth street. Cost, \$850. Store and dwelling, northwest corner of York and Sydenham streets.

Mrs. Mary Magee (O), 1717 Wingahocking street. William Bean (C), 4411 Germantown avenue. Cost, \$2,000. Store and dwelling, hot water heating, addition and bay window, 1717 Wingahocking street.

Joseph J. Geyer (O), 2821 Lambert street. Cost, \$800. Garage, Lambert street and Stella street.

James R. Witherspoon (O), 238 North Front street. Brownworth & Co. (C), 1611 Sansom street. Cost, \$600. Factory, 240 North Front street.

W. Adolph Peters (O), Lehigh avenue and Twenty-ninth street. E. E. Hollenback, Inc. (C), Fifteenth and Race streets. Cost, \$1,800. Garage, brick, 1 story, 36x38 feet, 2534 Huntingdon street.

M. Ogden B. Loxby (O), 7314 Boyer street. Edward Stoll (C), 33 Nippon street. Cost, \$310. Porch, 7314 Boyer street, Mt. Airy.

Mary L. Wood (O), 910 Huntingdon street. J. T. Carberry (C), 1644 Orthodox street. Cost, \$3,200. Store and dwelling, York road and Lindley avenue.

(Continued on page 306.)

Alterations and Additions

John J. Ferry (O), 4717 Chester avenue. Edw. Fay & Son (C), 2 South Mole street. Cost, \$900. Residence, 4717 Chester avenue.

Howard Koplsius (O), 231 Montana avenue. E. F. Godshall (C), 6631 Ross street. Cost, \$300. Dwelling, brick, 231 Montana street.

A. Gelblum (O), 6200 Reedland street. Jacob Bender (C), 1817 South Fourth street. Cost, \$550. Store and dwelling, 6200 Reedland street.

Henry Reesch (O), 5601 Wyalusing avenue. W. E. Powers (C), 5467 Delancey street. Cost, \$400. Garage, 5601 Wyalusing avenue.

Joseph W. Kurtnett (O), southeast corner of Sixty-second and Catherine streets. J. Rose & Son (C), 5121 Brown street. Cost, \$750. Store and dwelling, Sixty-second and Catherine streets.

Daniel D. Hunter (O), 7160 Hegerman

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The Philadelphia Real Estate Record and BUILDERS' GUIDE

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Irving Dillon.....Editor

PHILADELPHIA, PA., MAY 3, 1916.

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Editorial Comment

It is necessary to go back to 1907 to find an April building record equal to that of Philadelphia for the month which has just closed. In a period of ten years but one April is able to show figures in excess of April, 1916. The figures for the month were closed officially on Saturday at noon with a total of \$6,227,780. April, 1907, the one month in ten years which has surpassed this total, made a return of \$6,893,500.

Notable among the items which resulted in making April, 1916, a month of unusual activity in building expenditure were: a disbursement of \$1,300,000 for a 15-story apartment house to be erected at Nineteenth and Walnut streets; \$2,679,450 on two-story dwellings and \$410,300 on three-story operations. A warehouse to cost \$600,000, twelve factory buildings to cost \$256,500, and seventy-four garages to cost \$108,295 figure in the total. The item of additions contributes \$368,510, and alteration and repairs foot up \$196,490.

In all there were granted during the month 861 permits, covering 1,915 separate operations as compared with 783 permits for 1,606 operations during March. The total of expenditure for March was \$4,590,630. April of 1915 showed 930 permits for 1,838 operations costing \$3,449,900.

The first four months of 1916, taken from the official records of the Philadelphia Bureau of Building Inspection, show an expenditure for building of \$15,115,250. The increase over the corresponding months of 1915 totals \$2,791,550.

There is, however, a decrease of 305 permits and 890 operations compared with last year, traceable, in the opinion of architects, to the higher cost of materials and labor.

It will be observed that this goodly City of Brotherly Love is valiantly maintaining its record as a building center in spite of the war abroad, Presidential campaigning, the higher cost of living and other considerations that enter into the economic trend of things.

* * *

The Pennsylvania Railroad is preparing to erect, opposite its new terminal in New York City, a hotel to cost \$7,500,000. The new structure, which is to be known as "The Hotel Pennsylvania," will be twenty stories in height, is to occupy a site 200x400 feet, and will contain 2,200 rooms. McKim, Mead & White are the architects. It is estimated that the furnishing alone will cost in the neighborhood of \$1,500,000. Franklin J. Machette, of Milwaukee, is the prospective lessee.

* * *

Another notable New York venture is a group of model tenements to be erected just west of Seventh avenue, between 146th and 147th streets. Henry Atterbury Smith is the architect. The tenements are to be of the open-air stairway variety, with roof garden

playgrounds and every modern sanitary convenience. The structures are designed to house 648 families and will cost, to build, more than a million dollars. The suites will be rented by the week and the enterprise conducted without any suggestion of charity.

* * *

Joseph S. Auerbach, in an address at the meeting of the Washington Square Association, New York City, says the "American Contractor," referred to the principles which should actuate the best citizenship in constructive city planning work.

"Paris is admittedly the most beautiful city in the world," said Mr. Auerbach, "but it is so much more by force of public opinion than by force of law. The height of buildings is regulated by statute, but that which has made and keeps Paris a harmonious whole is a dominant public opinion and public spirit that will not be denied, and the architect who should consent to draw plans for a building out of harmony with its neighbors or not fitting for its environment runs the risk of professional ostracism, and its owner or tenant of industrial, commercial, social or political ostracism, as the case may be.

"In our superficial way we speak slightly of the levity of the Parisians, but we fail to understand that the resolve which makes their city beautiful is but a manifestation of that spirit which makes all the other cities of France fair to look upon, and which in great emergencies is found disciplined and responsive to the call of heroic sacrifice.

"We declaim a good deal about American ideals, but surely declamation which fails to match with performance is not a good asset of the republic. And surely it is not below our dignity for us here to have for one of our beginnings the beautifying of our little Washington Square district."

* * *

The "Philadelphia Ledger," which has been indulging an occasional reference, from time to time, to the carelessness with which some of the younger men in architecture send out plans for important work, presents the appended criticism of cases in which this kind of negligence works to the serious disadvantage of the bidder.

"Well, here it is again, and still incomplete. Perhaps after it has gone in a few more times and comes out for final bids it will be a finished set of plans, capable of being understood and including everything the architect intended to complete the building.

"This is just a small portion of a conversation overheard between several sub-contractors," says the "Ledger." "That the facts in the case justified it, no one in the trade will doubt, and should be an argument for more carefully drawn plans—and a careful scrutiny on the part of the architects before

they are sent to the builders for estimates.

"At this time of high prices of building materials, the sub-contractors are not going to take many chances, and anything left in doubt is added to their bids with enough margin of profits to insure a substantial addition to the plans. There never was a time in the history of architecture when care was so necessary in the preparation of the plans; the rapid change of prices in building materials make it necessary to almost keep in daily touch with the market to avoid underestimating the cost of proposed buildings.

"Some of the architects, in preparing plans for proposed buildings, have labored under the delusion that these could be erected to-day almost as cheaply as a year ago. The result of such surmises, in most cases, have been disastrous, with the usual result of revised plans. For the benefit of those who have not had occasion to closely follow the market, it might be said that at least 15 and as high as 25 per cent. additional (varying according to type of buildings) should be added to prices of a year ago, in approximating the cost of buildings."

* * *

In an effort to make better citizens of the great number of foreign workingmen employed in small communities about the country the National Americanization Committee is about to hold a competition for plans for proper housing for these people. The architects of the country have been invited to take part in the competition, which has been made possible through the creation of a "Roosevelt American First Fund," from which a total of \$1,800 has been set aside for prize money.

It is hoped that the results of this competition will be applicable to housing needs in any community, but they are desired particularly to provide for immigrant workmen and their families an opportunity to live according to American standards and thereby, so far as possible, to eliminate the evils due to the aggregation of large numbers of foreign born laborers in crowded and unsanitary quarters, for it is such quarters, the committee declares, which prevent any progress toward American standards of living among foreign born laborers even after years of residence in America.

The competition is divided into several sections. The first calls for a house for one family only and for a one family house of larger size than the first. The second problem is a dwelling for a family with four lodgers and the third is a boarding house for thirty lodgers. Two prizes are to be awarded under each of these headings, a first of \$300 and a second of \$100. The competition is to close on June 1 and the results are to be announced by July 1.

* * *

Throughout the country new industries are constantly producing new communities, with the consequent need of supplying dwellings for a large number of employees. During the last year especially such industrial communities have been created with phenomenal ra-

pidity. Towns of 500 have grown into towns of 30,000 within a half year's time. Men flock by thousands to places where there are plenty of jobs but no dwellings. A large percentage of these workmen are immigrants, who have no way of creating American standards of living for themselves. If such standards are not provided for them, and insisted upon, groups of immigrant workmen are bound to follow European standards of living and customs, vitally affecting the social health and prosperity. The community that results from these conditions cannot be an American community.

The committee in charge of this competition finds that most industrial communities of the country in which immigrants are a considerable percentage of the population are now characterized by separate quarters for foreign workmen, with all kinds of makeshift or otherwise unfit dwellings and distinctly un-American standards of living. This committee believes that these conditions are due largely to the fact that not enough attention has been paid to the subject, and that plans and suggestions have not been immediately available to meet the sudden and peculiar housing needs that result from the rapid clustering of towns around industries.

* * *

The purpose of the competition is to produce good and economical plans for low cost dwellings, which may be used as standard types in the work of the national Americanization committee in directing the attention of manufacturers, property owners and municipalities to the importance of the problem and the factors constituting it, and to provide definite indications for the solution of the particular problems which may be presented.

The housing competition committee in charge of the contest includes: J. G. Schmidlapp, chairman; Chester H. Aldrich, vice-chairman; John Ihlder, secretary; Mrs. Vincent Astor, Grosvenor Atterbury, Mrs. Albion Fellows Bacon, Charles W. Baker, James B. Brady, Owen Brainard, F. C. Brown, C. L. Close, E. L. Corthell, George A. Cullen, Mrs. William Bayard Cutting, Miss Emily W. Dinwiddie, Gano Dunn, Edward T. Hartman, Dr. Caroline Hedger, J. Willard Helburn, Frances A. Kellor, Morris Knowles, C. Grant La Farge, John L. Mauran, R. F. Parsons, Charles Raymond, Calvin W. Rice and Mrs. Johanna von Wagner.

The judges of the competition will be Chester H. Aldrich, architect, New York; Grosvenor Atterbury, architect, New York; Dr. Caroline Hedger, Chicago, Ill.; John Ihlder, Washington, D. C.; Morris Knowles, sanitary engineer, Pittsburgh; J. Lawrence Mauran, president, American Institute of Architects, St. Louis, and Milton B. Medary, Jr., architect, Philadelphia.

* * *

The Hispanic Society of New York is about to erect a permanent memorial to Cervantes to commemorate the three hundredth anniversary of his death. The trustees decided that rather than have special pageants or other ephemeral celebrations they would mark

the event in a way that would be enduring. They therefore determined upon the erection of what is to be called the Cervantes Gate, a great bronze gate, within an arch fifty feet high. It is to stand to the west of the society's grounds on Broadway at 156th street.

The arch was designed by Charles P. Huntington. At the top will be the inscription: "Erected in Commemoration of the Tercentenary of the Death of Miguel de Cervantes Saavedra, 1916."

The gate itself will be of massive bronze, weighing over two tons and being twenty-six feet high and twelve feet broad. Upon it will be the shields of Spain and of all the Spanish American republics.

The Hispanic Society is now holding an exhibition of great interest to admirers of Cervantes. It includes many portraits of the best editions, not only of his masterpiece, "Don Quixote," but also of his less well known works.

* * *

The need of a Municipal Art Society, here in Philadelphia, to take action against the desecration of streets of the better class with ugly signs, bill-boards, and general impedimenta of the kind, is somewhat strikingly illustrated just now by a case in point at the northwest corner of Broad and Spruce streets. Here, facing Broad street, and extending nearly the entire width of the church property on this site is a glaring, hideous sign board shrieking the merits of somebody's coal.

It would be interesting to learn what visitors from other cities think of the standard of taste that permits an abuse of that sort right in the very heart of the hotel district and on the city's finest promenade.

A NATIONAL HOUSE-WIRING CAMPAIGN.

Not eight per cent. of the homes in this country are wired for electricity, and not twenty per cent. of those on existing lines from central stations have electric service. With these facts in mind plans have been formulated for a nation-wide house-wiring campaign, to be conducted from March 25 to April 25, by the Society for Electrical Development. A committee has been appointed to supervise the campaign.

Advertise and the world buys of you;
Renig, and you need a loan.
If you never tell what you have to sell,
You'll have troubles all your own.
— 'Los Angeles Evening Herald.'

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ALTERATIONS AND ADDITIONS.

(Continued from page 303.)

Frederick A. Rieble (O), 2203 Delancey street. N. Molitor (C), 2021 North Marvine street. Cost, \$450. Toilet, 1424 North Ninth street.

E. C. Pangborn (O), Seventeenth and Dauphin streets. A. H. Landay (C), northeast corner of Gratz and York streets. Cost, \$450. Store and dwelling, northwest corner of Seventeenth and Dauphin streets.

Arthur Blackburn (O), 511 South Fifty-second street. James M. Holm (C), 5556 Arch street. Cost, \$800. Garage, brick, 1407-09 South Forty-ninth street.

Charles Sax (O), 1939 North Eighth street. Jacob Nereborn (C), 1731 North Eighth street. Cost, \$950. Store and dwelling, brick, 16x9 feet, 1824 Dickinson street.

C. O'Neill, Jr. (O), 1231 Foulkrod street. C. West & Co. (C), Oxford road and Wakeling street. Cost, \$500. Garage, 1231 Foulkrod street.

A. S. Jones (O), 514 South Fifteenth street. J. F. Trent (C), 2041 Master street. Cost, \$2,500. Hotel, general alterations and improvements, 514-16-18 South Fifteenth street.

Frank Zinn (O), 4319 Mareynot avenue. James Wilson (C), Wissahickon avenue. Cost, \$350. Garage, brick, 1 story, 16x55 feet, southeast corner of Grape and Dexter streets.

Harry Edwards (O), 808 North Broad street. C. M. Swarthly (C), 6835 Ridge avenue. Cost, \$500. Dwelling, south side of Fairthome avenue, east of Ridge avenue.

William Shay (O), 9546 Bustleton avenue. C. H. Weiss (C), 9512 Bustleton avenue, Philadelphia. Cost, \$2,500. Dwelling, Berusalem road.

F. R. Freas (O), 1416 Hunting Park avenue. William S. Gadey & Son (C), Cheltenham, Pa. Cost, \$500. Dwelling, brick, 1416 Hunting Park avenue.

P. & J. Zeiser (O), 2934 Kensington avenue. F. Pizziloo (C), 3348 Almond street. Cost, \$345. Dwelling, 4926 North Lawrence street.

W. A. J. Shaffer (O), 5422 Lawrence street. D. W. O'Dea (C), 5227 North Fifth street. Cost, \$300. Dwelling, 5422 North Lawrence street.

Daniel F. Deal (O), 5400 Haverford avenue. J. D. Fisher (C), 5718 Market street. Cost, \$1,100. Garage, Fifty-fourth and Westminster avenue.

Philomathean Society (O), University of Pennsylvania. Cost, \$1,000. Temporary grand stand and scenic wall, 70x100 feet, Thirty-seventh and Woodland avenue.

Gottfried Kerner (O), 352 Marlin street, Roxborough. Howard Yocum (C), 410 Lyceum avenue. Cost, \$400. Dwelling, 352 Martin street, Roxborough.

Anna and Judah Forman (O), 542 Moyamensing avenue. Andrew Perewerkin (C), 408 Hoffman street. Cost, \$350. Dwelling, 542 Moyamensing avenue.

Lit Brothers (O), Eighth and Market sts. John N. Gill & Co. (C), 1215 Filbert street. Cost, \$5,000. Garage, brick, southeast corner of Twentieth and Washington avenue.

Consolidated Construction Co. (O), Vaux and Bowman streets. Cost, \$125,000. Residences (41), brick, 2 stories, 16x50 feet, slag roof, Indiana avenue and Queen lane.

Dr. Louis Jacobs (O), 517 South Eighth street. Alexander P. Lueker (C), 1727 North Fifty-first street. Cost, \$700. Dwelling, brick, 4 stories, 17x65 feet, 517 South Eighth street.

Johanna L. Boyd (O), 316 E. Tioga street. Cost, \$5,000. Two dwellings, brick, 2 stories, 15x40 feet, Front and Tioga streets.

Mary V. Ward (O), corner East and Cresson streets. Harry Pollard (C), 3718 Manayunk avenue. Cost, \$300. Brick, 3 stories, 16x58 feet, slate roof, 4003 Cresson street.

Mrs. Chas. W. Lee (O), 4743 Leiper street. C. West & Co., Oxford road and Wakeling street. Cost, \$600. Dwelling, brick, 3 stories, 16x59 feet, 4743 Leiper street.

Wm. K. De Victor (O), West End Trust Building. John G. Shark (C), 6130 Torresdale avenue. Cost, \$18,000. Ten residences, Cottage and Benner streets.

Blaumer Inc. Co. (O), 833 Market street. Fleischmann Const. Co. (C), Real Estate Trust Building. Cost, \$75,000. Department store, 833-35 Market street, 4 stories, brick, 43x204 feet, slag roof.

Scott Bros. (O), 1619 Allengrove street. Cost, \$43,200. Thirty-five residences, brick, 2 stories, 14x42 feet, slag roof, hot water heating, Hedge and Bridge streets.

C. West & Co. (O), Oxford avenue and Wakeling street. Cost, \$23,600. Four residences, brick, 16x47 feet, 3 stories, slate roof, hot air heating, Twelfth and Wakeling streets.

A. M. Zane (O), 2200 Tioga street. Cost, \$73,200. Thirty-two residences, brick, 2 stories, 18x36 feet, slag roof, hot water heating, Twenty-sixth and Allegheny streets.

Wm. Schmidt (O), 4936 North Fairhill st. Cost, \$3,000. Residence, brick, 2 stories, 16x42 feet, Godfrey avenue and S street. Cost, \$6,000. Two residences, brick, 2 stories, 16x42 feet, Cheltenham avenue and G street.

Walter Rowland Dexter (O), Lyceum st. Cost, \$12,600. Six residences, brick, 2 stories, 15x42 feet, tin roof, Walnut lane east of Mitchell street.

F. S. Park (O), 4106 Girard avenue. Cost, \$137,500. Fifty-one residences, brick (2 stories, 16x45 feet, slag roof, Colorado, Oregon and Seventeenth streets. Cost, \$10,500. Three stories and dwellings, brick, 2 stories, 15x54 feet, slag roof, hot air heating, Seventeenth and Oregon streets.

Charles M. Weild (O), 2316 South Broad street. Cost, \$168,000. Sixty-seven residences and three stores, brick, 16x54 feet, slag roofs, hot water heating, Twenty-seventh and Smedley streets.

Samuel A. Stiltz (O), Colmar, Pa. Stiltz & Mulowry (O), Sixty-seventh and Elmwood avenue. Cost, \$15,2000. Eight brick residences, 2 stories, 16x32 feet, Sixty-seventh and Elmwood avenue.

Mrs. H. D. Patrick (O), 1119 Lehigh avenue. The Makin Heating Co. (C) (6 North Eighteenth street. Cost, \$450. Residence, heating system, 1119 Lehigh avenue.

Francis B. Mullin (O), 6256 Market street. C. R. Anderson (C), 23 South Sixty-second street. Cost, \$400. Bakery, brick, 6254 Market street.

Chris. Vogt (O), Twenty-second and Cambria streets. Cost, \$1,000. Wagon shop, brick, 1 story, Cambria and Twenty-third streets.

M. Boaioff (O), 427 Green street. Zuck & Gleckman (C), 838 North Seventh street. Cost, \$3,000. Store and dwelling, 859 North Lawrence street.

M. Leighton (O), 4219 Main street, Manayunk. Friend Scargill (C), West Manayunk. Cost, \$400. Store and dwelling, 4219 Main street.

Taylor & Bro. (O), 26 South Fourth street. J. T. Johnson & Son (C), 331 North Fourth street. Cost, \$400. Sign on roof, 3600 Market street.

VARIATION IN BUILDERS' ESTIMATES.

Some of the Differences Noted in Connection with Actual Bids on Contracts for Construction Work.

It is a well known fact that in the competition for work, builders' estimates frequently vary to a surprising extent, and some of the results of this competition are set forth in the Monthly Letter of Secretary Sayward of the Master Builders' Association of Boston. The following extracts cannot fail to be read with interest:

"On a bank alteration job, an alleged ambiguity in specifications led to one contractor's success. He found, after he had expended about \$100 on the job, that the architect was expecting him to do things he had not estimated to do. Inquiries easily established the fact that four other bidders had all included the items in question—the successful had not. Owner, architect and builder each pair one-third of the cost of the error, about \$300 each. But what of the unsuccessful bidders?

"On a house some distance from Boston, about ten years ago, three bidders figuring about alike were above the price set by the owner for his expenditure. The architects, a leading firm, told him he could cut his requirements, or could get another series of bids from men doing a lower grade of work. He chose the latter alternative, and his house was built within his price.

"On a job of interior finish, some distance from Boston, three or four years ago, three Boston bidders doing a similar high grade of work were within \$1,000 of \$137,000. The work was let for \$92,000 in another city, and, even after adding on an acknowledged error of \$25,000, the successful bidder would still have been 16 per cent. under the Boston men. None of the Boston men would have made over \$15,000 on the job.

"On a small job in a small town, five figures were \$9,500, \$9,300, \$9,000, \$8,900 and \$6,600. What is obviously within a few hundred dollars of the right price? The owner was delighted at the low price. Why should he have been?

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"On a recent bank alteration job, with six bidders, four were eliminated after the bids were in because they were not local men. Refiguring of cuts was done by the other two, and one dropped one thousand dollars more than the value of the cuts (finding he had to do so), an although still high was awarded the job because he was a depositor in that bank, while the other was not.

"On a job in 1912, where cuts were figured, one competitor dropped five hundred dollars where twelve hundred dollars' worth of stone mason's foundation work was change from stone to concrete in location where materials for either were easy to get. Cuts offer a splendid opportunity for one man to drop by another, and win by, in fact submitting a second figure when he surmises his first one was a little too high.

"Recently, subcontractors for painting figured so cleverly that the lowest on a job was \$650 and the highest \$2,180, with enough good men together around \$1,500 to show that probably there was the right price. Some contractors figuring would use the low figure, others not wanting to must do so, or risk their chances of winning. This element is a common feature of competitive bidding.

"In September, 1915, a reputable Boston architect of a fairly large job stated that the owner had a fixed price for his work, and that he had purposely selected a list of bidders commonly varying widely in price and in quality of result. From them he had chosen

as good a man as he could, and come within the price established; and he said that he regretted not being able to choose a better man.

Effect of Guarantee.

"Two or three years ago, an owner who formerly let a contract to a bidder about 20 per cent. under a group of competitors, and who was not satisfied with the results obtained, strove to mend matters upon some further work by a most stringent three-years' guarantee—the strongest document of the sort ever seen by Boston contractors who estimated the work. This document was the work of the owner, not of his architect. Here was a direct intent to make a silk purse out of a sow's ear by legal verbiage—followed, if needed, by legal procedure.

"A few years ago a hard-fought job near Boston was awarded to the contractor fourth from the bottom in a list of six bidders. Later, he was told the owner always intended him to do the work.

"Recently, on a job a few miles from Boston, the owner told one bidder that he wanted him to do his work and that he would pay a preference, but not a large one. The job went to another man, who by the use of two subcontractors, whose bids the preferred man had but did not care to use, saved more than the difference between the two figures.

"In 1915, a job near Boston had four bidders within a fifteen-hundred-dollar variation figuring around \$62,000, while a fifth was about \$50,000 and won the award. What will

happen to the winner and to the work he does?

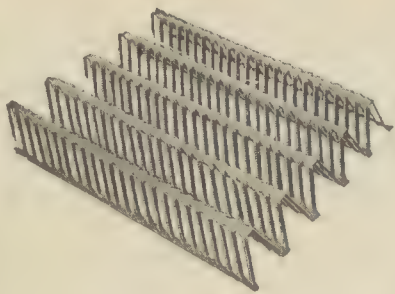
"Time is of the essence of this contract.' How often this is written! A year ago a large job was let to be completed August 15, 1915. On October 1, 1915, it was nearly done. A contractor's promises for time are commonly taken in preference to an examination of his performances.

The Forfeit Clause. . .

"Not long ago the wife of an owner told a friend about to build to put a forfeit clause into his contract, for the reason that it could always be collected, for some reason or other, and was a good way to save on a contract.

"Recently an architect asked for two bids from general contractors. With one of these the architect was in league to the extent of giving him competitor's prices in order that he might bid under them—and the other contractor knew it—and knew the owner. After the bids were in, he approached the owner thus: 'Now, Mr. Blank, I have a grudge against Smith, my competitor, and I can work it out and show you how to make a thousand dollars if you will give me fifty dollars.' Mr. Blank agreed. 'I will go to your architect, claim I made a mistake, withdraw my bid, put in another one, one thousand dollars lower; your architect will tell his friend, who will do the same thing. You will make a thousand, and then send me fifty.'

"On a job of plumbing worth \$750 a low bidder was awarded the work at \$475. Re-



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cently, two years later, alterations were made, and the hot and cold water piping, specified "iron-sized brass"—a good brass pipe—was found to be gilded iron.

"The above cases, excepting one or two, are typical instances of occurrences which are very common—so common that they would not be worth reciting were our readers only those familiar with building operations. The cases quoted are not garbled or exaggerated, but are normal, and are all actual happenings."—"Building Age."

HOUSING COMPETITION.

Prizes aggregating \$2,100 are offered for plans, sketches, grouping and arrangement, for the housing of immigrants in industrial towns. The Competition is conducted under the auspices of the National Americanization Committee, with the co-operation of the various societies and institutes of architects and engineers. The contest closes May 1st.

The prizes are divided into two groups. The first covers plans for the housing of workmen in industrial communities not exceeding a population of 35,000. Entries in this class include plans for (1) single family houses; (2) combined family and lodging houses, which will permit separation of the family from the lodgers; and (3) boarding houses or community dwellings for numbers of single men or of single women.

The first prize for this class is \$1,000, the second \$500, and the third, fourth and fifth \$100 each. In the first group, the committee has in mind a new community produced by a new industry, with the consequent need of supplying dwelling for a large number of employees. A considerable proportion of these employees will be needed permanently; the rest, as the construction gangs, from two to five years only. In the statement of the conditions of the contest, which is being issued to competitors, it is pointed out that

these two important considerations are the welfare of the tenant and the cost. The wages of the employees for whom the houses are designed are to be from \$2 a day to \$20 a week.

In the second group a first prize of \$200 and a second of \$100 is offered for a satisfactory substitute for the derailed freight and cattle cars now used to house construction gangs on railways.

Inquiries may be addressed to the National Americanization Committee, 20 West Thirty-fourth street, New York City.

VALUE OF STAIRWAY ENCLOSURES.

New York Chapter, of the National Fire Protection Association, has issued the report of its special committee appointed to investigate the Diamond candy factory fire in North Sixth street, Brooklyn, last November. The report says in part:

"It is our belief that had the stairways been enclosed throughout with even the lowest grade of partition material permitted by the State Labor Department, the occupants of this building would have escaped in safety. We consider that the type of stairway enclosure which was in progress of erection on the third floor at the time of the fire was not at all suited to the purpose. It is quite possible that such construction would not have been accepted by the Labor Department, but nevertheless we wish to register a protest against such construction, and the fact that it would not be acceptable should be so clearly understood by all factory owners that they would not even tentatively assume that it would be worth while attempting to 'put it over.'"

"Sheet metal is a very poor resistant to heat, and when attacked by fire quickly becomes red hot. In that case it would instantly ignite the dry boards to which it is

attached and would quickly fill the passageway with smoke and perhaps flame. We believe that if such low grade construction is permitted, a layer of asbestos board, plaster board or other incombustible, non-conducting material should be placed between the sheet metal and the woodwork, or the wooden partitions should be properly covered with metal on both sides."

WATERPROOFING CONCRETE AND MORTAR.

Architects and engineers now appreciate the necessity of waterproofing both concrete and mortar, not only for obvious waterproofing reasons, but also to increase the strength and durability of the work. In the past the most satisfactory method of accomplishing the work was the application of surface waterproofing. This, if done correctly and thoroughly, is expensive both in materials and the labor of preparation.

The great objection to surface waterproofing is that if it is ever marred or destroyed the natural porosity of the concrete will permit of the absorption of water from the smallest crack or opening, and will distribute it throughout the mass, thus creating a condition of dampness oftentimes inexplicable. In waterproofing walls, the integral method has been found to be satisfactory. By this method every portion of the mass acts as a bar to the water, instead of merely a surface skin. The difficulty often found with integral waterproofing has been the lack of uniformity in the mass, and has necessitated the services of experts in handling the material, which in most cases is impractical for general use and prohibitive on account of the increased cost.

A patented material can now be obtained which, if used integrally in work more than three inches in thickness, will not only damp-proof a wall, but will resist a water pressure of forty pounds to the square inch. This is the claim of the manufacturer. It is further stated that its use is so simple that any laborer accustomed to mix concrete should be able to manipulate the material with satisfaction. Another advantage claimed for this product is that it overcomes some of the other faults of the concrete as a building material. It counteracts the slight contraction of the mass in setting, thus making it possible to be used in repairing old cracks and in coating old walls for waterproofing purposes. Used with cement in mortar in which bricks are laid, it is said an airtight as well as a watertight job results, and also there is less danger of white stains and other defacing spots, due to the reprecipitation of dissolved salts, on the surface of the wall. The use of this product, it is stated, does not add materially to the initial cost of the construction of the building.

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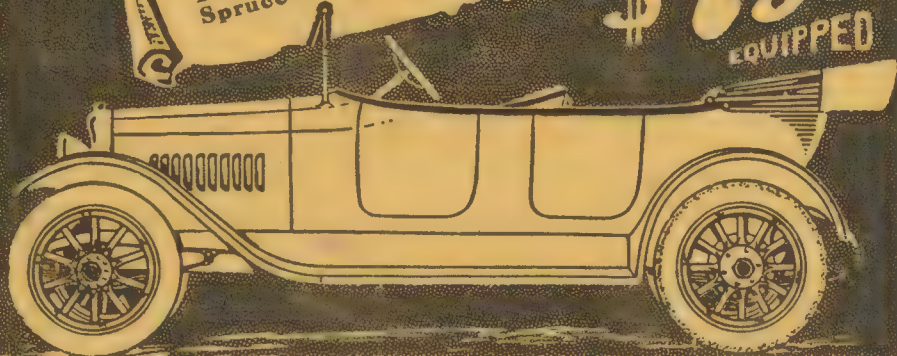
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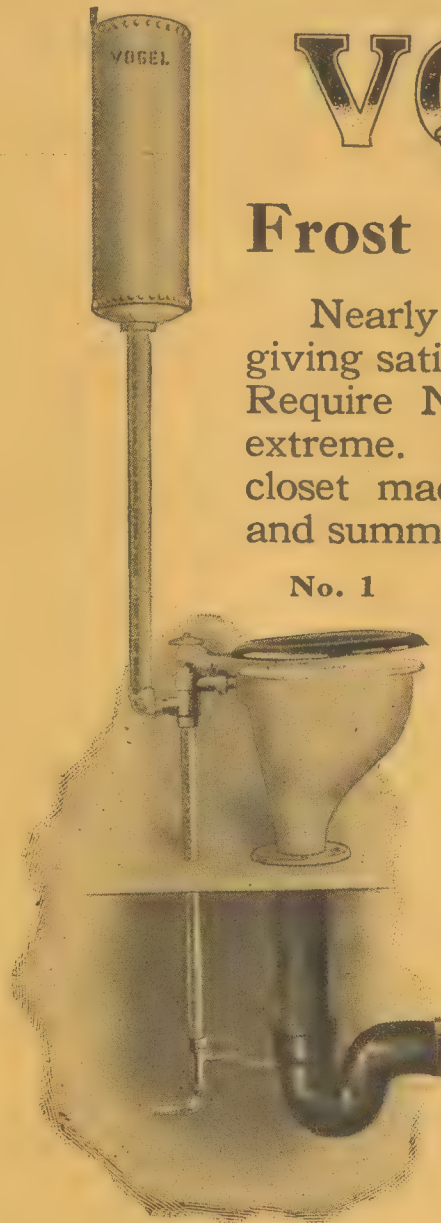


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Vol. XXXI., No. 19.

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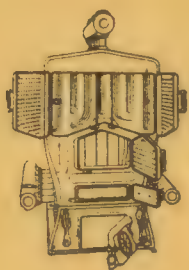


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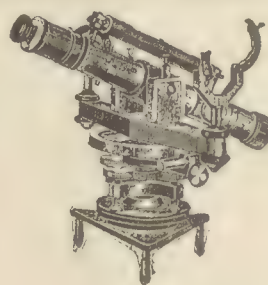
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Vol. XXXI, No. 19.

PHILADELPHIA, WEDNESDAY, MAY 10, 1916.

Less than One Year
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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Church, Lycoming avenue and Rice street, Philadelphia. Architect, H. E. De Hoff, 48 S. Sixty-first street, Philadelphia. Owners, Nazarene Baptist Church, Rev. George Russell, 1712 Atlantic street, Philadelphia. Stone and brick, 1 story, 47x80 feet, slag roof. Architect has received bids.

Residences (11), Sixty-first and Yocum sts., Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, Franz Hoppe, Sixty-fifth and Girard avenue, Philadelphia. Brick, 2 stories, 15x37 feet, slag roof, electric lighting, tile work, hardwood floors, hot air heating. Owner is ready for sub-bids on all lines.

Church, Fifty-sixth and Girard avenue. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Palatinate Reformed Church, Rev. C. R. Baldwin, 1423 N. Howarth street, Philadelphia. Stone, 1 story, slate and slag roof, electric lighting, tile work, pine floors, (steam heating separate bids). Architect taking bids, due May 22d. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; Thomas C. Trafford, 1613 Sansom street; Barclay White & Co., Perry Building; F. B. Davis, 240 North Sixteenth street; F. L. Hoover & Sons, 1023 Cherry street; Peoples Bros., Commercial Trust Building, Philadelphia.

Warehouse (add.), Wheatsheaf lane and Gaul street. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, F. W. Tunnell & Co., 15 North Fifth street. Consists of additional story on one-story building, brick, 192x40 feet, slag roof, roof ventilator, fire doors, maple floors (heating and electric work reserved). Architects have received bids.

Factory Building, Stenton avenue, Wayne Junction. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, Leeds & Northrup Co., 4901 Stenton avenue, Germantown. Reinforced concrete and brick, 4

stories, 50x100 feet, slag roof. Plans in progress.

Church, Winona and Pulaski avenue. Architects, Simon & Bassett, 1114 Chestnut street. Owners, West Side Presbyterian Church, Rev. W. P. Lee, 5516 Morris street. Brick and stone, 1 story, slate roof, steam heating, electric lighting. Plans about completed. Architects will take bids in about ten days.

Residences (2), Lincoln Drive, Philadelphia. Architects, Simon & Bassett, 1114 Chestnut street. Owner, name withheld. Stone, 2½ stories, slate roofs, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects will take sub-bids in a few days.

Stores and Warehouse, Front and York sts., Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Derbyshire Bros., 2418 North Front street, Philadelphia. Brick and terra cotta, 4 stories, 40x110 feet, 3 stories, 70x72 feet, slag roof, steam heating, electric lighting, elevator. Plans about completed. Architects will take bids in about one week.

Residence (alt. and add.), 1855 North Park avenue, Philadelphia. Architect, Frank E. Mahn, 1114 Chestnut street, Philadelphia. Owner, Chas. A. White, 1928 North Park avenue, Philadelphia. Brick, 3 stories, hardwood floors, electric lighting, tile work. Plans in progress. Architect will take bids in about ten days.

Residence and Garage, Chestnut Hill, Philadelphia, \$50,000. Architects, Mellor & Meigs, 205 S. Juniper street, Philadelphia. Owner, Francis S. McIlhenny, Commercial Trust Building. Stone, 2½ stories, 20x65 feet and 30x53 feet, tile roof, electric lighting, hardwood floors, tile and marble work. Plans about completed. Architects will take bids in about one week.

Church (alts.), Eleventh and Lehigh avenue. Architects, Chas. W. Bolton & Co., Witherspoon Building, Philadelphia. Owners,

Gaston Presbyterian Church, Rev. Walter B. Greenway, 2717 N. Twelfth st., Philadelphia. Brick and stone, 1 story, electric lighting, waterproofing, cement work. Architects taking bids, due May 10th. The following are figuring: Charles J. Appleton, Heed Building; Thomas C. Trafford, 1613 Sansom street; Sutton & Stephenson, 1317 Washington.

Theatre (alts.), Market street near Fifty-ninth street. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, The Coliseum Theatre, on premises. Consists of new marquee and interior alterations. Architects have received bids.

Stable and Garage, 3421-3423 Market street, Philadelphia. Architect, Chas. H. Caspar, 925 Chestnut street, Philadelphia. Owner, Harry Supplee, Supplee Alderney Dairy, 1118 Jefferson street. Reinforced concrete, brick and terra cotta, stable, 2 stories, 48x144 feet; garage, 1 story, 50x119 feet, slag roof, waterproofing, fire door, ventilators, steel sash (heating reserved). Architect has received bids.

Warehouse and Office, Second and York sts., Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, Stelwagon Mfg. Co., Nineteenth and Washington avenue, Philadelphia. Brick, 1 story, 60x110 feet, slag roof, oak floors (heating and electric work reserved). Architects have received revised bids.

Bakery (add.), Twenty-fifth and Lombard streets, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, R. C. Finch, president, care New York Pie Baking Co., on premises. Brick, 2 stories, slag roof, electric lighting. Architect taking bids, due May 15th. The following are figuring: Cramp & Co., Denckla Building; Warren, Moore & Co., Commercial Trust Building; Barclay White & Co., Perry Building; H. E. Baton, Twelfth and Sansom streets; Harrison C. Rea, 1027 Wood street; Philip Haibach Contracting Co., Twenty-sixth and

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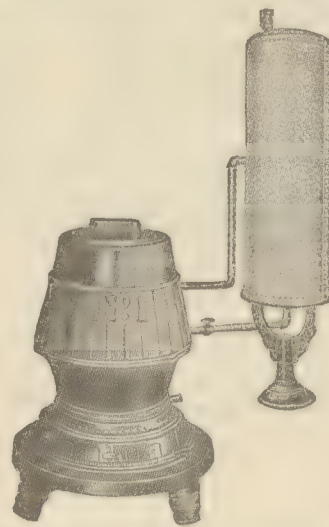
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Residence (alts.), and Garage, Hortter st. and Wissahickon avenue. Architect. Wm. H. Cookman, 420 W. Price street, Philadelphia. Owner, Samuel M. Clement, Jr., West End Trust Building. Consists of general alterations and new garage. Architect has received bids.

Residences (3), Twenty-first and Church lane. Architects, Neubauer & Boyd, 1112 Chestnut street, Philadelphia. Owner, John F. Conlin, Willow Grove avenue, Philadelphia. Brick, 2 stories, 15x32 feet, slag roof, hot water heating, electric lighting. Owner is taking sub-bids on all lines.

Residence (alt. and add.), 3024 Diamond st., Philadelphia. Architects, Guy King and E. A. Weightman, 1513 Walnut street. Owner, Mrs. Chas. C. Sunday, on premises. Brick, 3 stories, slag roof, steam heating, electric lighting, tile work (metal weather strips and hardwood floors reserved). Architects taking bids, due May 10th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; H. H. Wehmeyer, 1004 Lehigh avenue; I. T. Shoemaker, 1324 Walnut street; A. P. Fraim, 319 Market street, Philadelphia.

Club house (alts.), 1619-21 South street, Philadelphia. Architect, H. E. De Hoff, 48 S. Sixty-first street, Philadelphia. Owner, O. V. Catto Lodge No. 20, on premises. Slag roof, electric lighting, tile work, metal lath (heating reserved). Owners have received bids.

Store Building (alt. and add.), 517 Arch st., Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Edwin H. Fitler, Bellevue Court Building, Philadelphia. Brick, stone trimmings, 2 stories, tin roof, metal lath, maple and oak floors, tile work, kalamein doors, metal lockers, fire doors, roof ventilators (heating, plumbing and electric work reserved). Architect taking bids, due May 12th. H. H. Burrell, 206 S. Quince street; Frank E. Wallace, 1220 Chancellor street; George & Borst, 277 South Eleventh street; Metzger & Fisher,

Denekla Building; Wm. R. Dougherty, 1610 Sansom street, are figuring.

Fire Tower and Toilet Room, Sixty-second and Cedar avenue, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, St. Carthage's R. C. Church, Rev. P. F. O'Neil, on premises. Stone and steel, 3 stories, slate roof, fire doors, plumbing. Architects taking bids, due May 10th. John P. McShain, 1610 North street; Wm. R. Dougherty, 1610 Sansom street; E. E. Hollenback, Fifteenth and Race streets, are figuring.

Recreation Buildings, Carpenter street, near Front street. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, 587 City Hall. Brick, 1 story, 47x41 feet, asbestos shingle roof, slate and slag roof, metal lath, roof ventilators, iron fences (plumbing, heating and electric work separate bids). Lowest bidders: Mitchell Bros., 2125 Race street, \$20,000; (No. 2) add., \$3,000; P. M. Sax, Heed Building, \$20,017; (No. 2) add., \$1,167.42.

Playground, Twenty-sixth and Morris sts., Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, No. 587 City Hall. Swimming pool, asbestos shingle and slag roofs, iron fences, reinforced concrete work (plumbing and electric work separate bids). Lowest bid submitted by M. & J. B. McHugh, 892 North Markoe street, \$21,640.

Playground, Seventeenth and Catharine sts., Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, No. 587 City Hall. Swimming pool, asbestos shingle and slag roofs, iron fences, reinforced concrete work (plumbing and electric work separate bids). Low bidders: Total contract, R. P. Bennis, Chew and Price streets, \$38,255; item No. 1, F. G. Stewart, 1619 Sansom street, \$12,957; item No. 2, W. W. Anstine & Co., 1213 Filbert street, \$23,378.

Power House, Holmesburg, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Summerdale Dye-

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A Roofer's Opinion—

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It has improved the general quality and thereby added greatly to the life of slag and gravel roofs.

It has protected architects, engineers, and owners by specifying definite materials, definite quantities and definite methods of construction.

The best roofers now prefer to bid on the basis of The Barrett Specification. As an instance of this fact we quote from a letter written to us recently by

the Ford Roof Construction Co. of New York:

Its success means the better protection and welfare of the roofer who stands for good work and the faithful observance of specifications. We know of no more promising means for realizing this vital end than the consistent and sustained course you have followed during the recent past years, and trust there will be no faltering in the long campaign directed toward elevating our craft.
(Signed) F. A. Ford, Pres.

If you are an architect or engineer, we suggest that you include The Barrett Specification verbatim in your building specifications. It will insure a roof that has a lower cost per year of service than any other known roof covering—a roof that costs nothing to maintain—a roof that is endorsed by the Underwriters' Laboratories and that takes the base rate of insurance.

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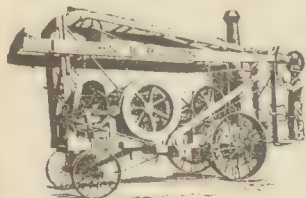
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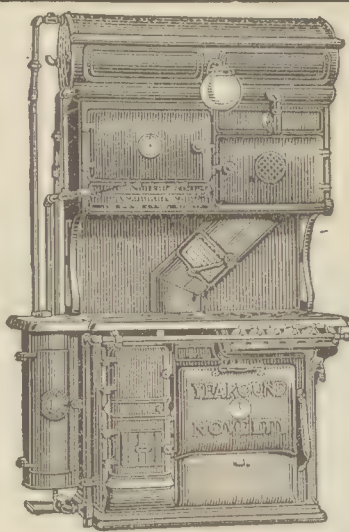
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ing, Printing & Finishing Works, Inc., Holmesburg, Philadelphia. Brick and steel, 1 story, 72x46 feet, slag roof, metal sash, fire doors, roof ventilators, proposal bond (heating and electric work reserved). Architect taking bids, due May 10th. Stacy Reeves & Sons, 2011 Market street; Geo. Hogg, 1634 Sansom street; George & Borst, 277 South Eleventh street; H. E. Grau Co., 1707 Sansom street; A. L. Fretz & Sons, 1222 Chancellor street; Geo. C. Deitrich, South Penn Square Building; Jos. A. Hand, 8029 Frankford avenue; McCloskey & Bahls, Hale Building; J. Myers & Sons Co., Witherspoon Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia, are figuring.

Fire House (alts.), Seventh above Carpenter streets. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Wm. H. Wilson, director, City Hall. Consists of interior alterations, composition floors, cement wrk, electric lighting (plumbing separate bid). Owners taking bids, due May 15th at noon. Plans may be obtained at room 825 City Hall.

Electrical Equipment, Police Stations, Philadelphia. Architect, Louis E. Marie, City Hall, Owners, City of Philadelphia, Department of Public Safety, Wm. H. Wilson, director, City Hall. Owners taking bids, due May 15th at noon. Specifications may be obtained at room 616 City Hall.

Apartment House, 1007 Fairmount avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, M. Botvan, care architect. Brick and stone, 3 stories, 17x65 feet, slag roof, hot water heating, electric lighting, plumbing. Plans about completed. Architect is ready for bids.

Store and Dwelling, 317 South Tenth street. Architect, Herman Kline, Sixth and Mifflin streets, Philadelphia. Owner, M. Krivervuk, care architect. Consists of general interior and exterior alterations and additions, brick, 4 stories, 22x100 feet, new fire tower, fire doors, iron stairs, electric lighting, hot water heating, hardwood floors, tile work. Architect ready for bids.

Factory (alt. and add.), 210 South Eighth street, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, Geo. S. Mayer, care architect. Consists of 2 and 4 stories addition, 20x198 feet, general interior alterations, slag and tin roof, electric lighting. Architects taking bids, due May 10th. The following are figuring: Bailey-Lush Co., 201 North Broad street; Freund-Siedenbach Co., Bulletin Building; Geo. A. Boyd, 211 E. Willow Grove avenue; and Lam Building Co., 1001 Wood street.

Parish House and Gymnasium, Brunner st. and Germantown avenue. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, name withheld. Brick, stone trimmings, 1 story, 44x88 feet, slate roof, steam heating, electric lighting, metal lath. Plans in progress.

Laundry and Warehouse, 3429 Market st., Philadelphia. Architect, Henry H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, P. H. Herman & Sons, 3427 Market street, Philadelphia. Stone and brick, 3 stories, 20 x80 feet, slag roof, electric lighting, hot water heating, electric elevator, fire doors, rolling steel doors, steel sash, reinforced concrete floors. Architect has received bids.

Residence, Overbrook, Philadelphia. Architects, Frank Seeburger and C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, E. O. Lewis, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 30x75 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architects taking bids due May 13th. The following are figuring: Milton W. Young, Overbrook, Philadelphia; E. J. Hedden, Finance Building; Metzger & Fisher, Denckla Building; W. W. Anstine & Co., 1218 Filbert street; John E. Kearney, 327 North Sixty-third street, Philadelphia; Alfred James, Bala, Pa.

Residence and Garage (alt. and add.), & Garage, Overbrook, Philadelphia. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building. Owner, Leroy M. Lewis, Commercial Trust Building, Philadelphia. Stone, 2½ stories, hot water heating, electric lighting, oak floors, tile work. Architects taking bids, due May 13th. The following are figuring: Milton W. Young,

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Residence (alt. and add.), Chestnut Hill, Philadelphia. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owner, Joseph Wood Wagner, 233 Dock street, Philadelphia. Frame and plaster, 2½ stories, slate roof, oak floors, tile work, waterproofing. Architects taking bids, due May 16th. The following are figuring: Specht & Sperry, Heed Building; Wm. R. Dougherty, 1610 Sansom street; Frank E. Wallace, 1220 Chancellor street; Geo. S. Roth & Sons, 230 E. Graver's Lane; W. John Stevens, Wyncote, Pa.

Apartment House, Northeast Corner Sixteenth and Spruce streets, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, name withheld. Tapestry, brick, terra-cotta, stone and steel, fireproof, 15 stories, 43x78 feet, slag roof, steam heating, electric lighting, parquet floors, mosaic and marble work, ornamental iron work, hollow tile and reinforced concrete, fireproofing, metal lath, dampproofing, hollow steel doors, electric elevators. Architects taking sub-bids on all lines.

Store and Apartments, Broad and Loudon streets, Philadelphia. Architect, L. E. Laub, 827 South Fifth street, Philadelphia. Owner, name withheld. Brick and terra-cotta, 3 stories, slag roof, hot water heating, electric lighting, parquet floors, composition flooring, metal lath. Architects taking bids, due May 12th. E. J. Kreitzburg, 1345 Arch street, Philadelphia, is figuring.

Residence (alt. to Apartment House), 6312 Morton street, Germantown. Architect, Wm. A. Stewart, Narberth, Pa. Owner, H. L. Godfrey, on premises. Brick, 3 stories, 50x100 feet, slag and tin roof, hot water heating, electric lighting, tile baths. Owners taking bids, due May 9th. The following are figuring: Wm. C. Wright, 22 Harvey street; Wm. J. Gruhler & Co., 219 East High street; Samuel Harting & Son, 20 East Johnson street; Harry H. Cluck, 170 East Walnut Lane, and Harry Gill, Jr., 2515 Germantown avenue.

Residence, Allen's lane, east of McCallum street, \$18,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Francis B. Bracken, Stephen Girard Building, Philadelphia. Stone, 2½ stories, shingle roof, steam heating, electric lighting, tile work, oak floors. Architect taking bids, due May 18th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; H. E. Grau Co., 1707 Sansom street; F. B. Davis, 240 North Sixteenth street; Pringle Borthwick, 8018 Germantown avenue; I. A. Dunkelberger, 71 East Herman street; A. L. Fretz & Son, 1222 Chancellor street; W. John Stevens, Wyncote, Pa.

Boiler House, Thirty-fifth street and Schuylkill River. Engineers, M. P. Osbourn & Co., 34 South Seventeenth street, Philadelphia. Owners, Harrison Bros. & Co., Thirty-fifth and Grays Ferry road. Reinforced concrete, brick and steel, 1 story, 93x43 feet, steel sash, iron stairs. Engineers taking bids, due May 12th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Frank G. Stewart, 1619 Sansom street; Pomeroy Construction Co., 1609 Ranstead street; Bailey-Lush Co., 201 North Broad street; Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Ice Storehouse, East Green lane and Ridge avenue. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Glen Willow Ice Mfg. Co., 4517 Main street. Brick, 1 story, 54x33 feet, slag roof. Contract awarded to Wm. H. Eddleman & Sons, 453 Green lane, Roxborough, Philadelphia.

Ice Storehouse, Mt. Airy avenue and Sprague street. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Up-to-date Ice and Coal Mfg. Co., on premises. Brick, 1 story, 26x42 feet, slag roof. Contract awarded to Wm. H. Eddleman & Sons, 463 Green lane, Roxborough, Philadelphia.

Bag and Truck House, Fern Rock, Philadelphia. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway Co., Reading, Pa. Lessee,

Edward L. Taylor, on premises. Stone and frame, 1 story, 47x28 feet, slag roof, hot water heating. Contract awarded to Mitchell Bros., 2125 Race street.

School and Church and Rectory, northeast corner Mascher and Master streets. Architect, Peter F. Getz, 2249 North Fourth street, Philadelphia. Owners, Sacred Heart R. C. Church, care Rev. Francis B. Tomanyi, 1425 Germantown avenue, Philadelphia. Brick and stone trimmings, chapel, 2 stories, 48x68 feet; rectory, 2 stories, 16x50 feet, slag roof, pine floors, metal lath, waterproofing, iron stairs (heating, plumbing and electric lighting separate bids). Contract awarded to D. W. O'Dea, 5219 North Fifth street, Philadelphia.

Gate Lodge and Wall, Fairmount Park Philadelphia. Architects, Mellor & Meigs,

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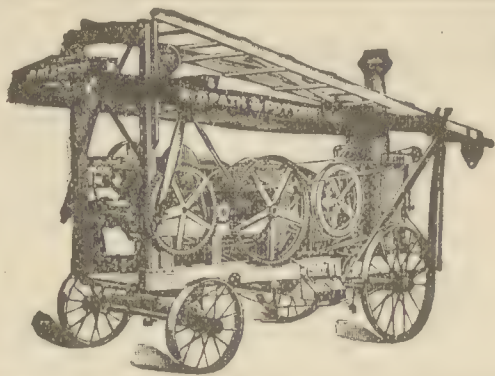


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205 South Juniper street, Philadelphia. Owners, Zoological Society of Philadelphia, on premises. Stone, 1 story, slate roof, iron gates and fence. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

Stores (alts.), 1403-05-07 South street, Philadelphia. Architect, Frank E. Hahn, 1114 Chestnut street, Philadelphia. Owners, R. & F. P. Jacobs, Broad and South streets, Philadelphia. Consists of alterations to three stores. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

School Building, Fifty-fifth and Chestnut streets, Philadelphia, \$176,878. Architect, J. Horace Cook, Nineteenth above Chestnut st. Owners, Board of Education, Nineteenth above Chestnut street. Brick, terra cotta, concrete and steel, fireproof, 3 stories, 120x214 feet, copper and composition roof, tile work, waterproofing, metal lath, roof ventilators, metal weatherstrips, maple floors (heating, plumbing and electric work separate bids.) Contract awarded to Warren, Moore & Co., Commercial Trust Building.

School (add.), Twenty-seventh and Clearfield streets, Philadelphia, \$49,607. Architect, J. Horace Cook, Nineteenth above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, stone and terra cotta, concrete floors, 3 stories, 61x69 feet, copper and composition roof, metal lath, waterproofing, metal weatherstrips, roof ventilators, maple floors (heating, plumbing and electric work separate bids.) Contract awarded to Henry L. Brown, 1714 Sansom street.

Department Store (alt. and add.), Eighth and Market street. Architect, Frank Seeburger, Penna. Building, Philadelphia. Owners, Srawbridge & Clothier, on premises. Slag roof, fire doors, safety treads (heating, plumbing, electric work and sprinklers reserved). Contract awarded to Stacy Reeves & Sons, 2011 Market street.

Store Building 851 North Broad street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Edward M. Harris, 50 North Twenty-third street, Philadelphia. Brick and terra cotta, 2 stories, 30x120 feet, slag roof, steam heating, electric lighting. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Garage, Sixty-second and Nassau Road, Philadelphia. Architect, private plans. Own-

er, Hon. Judge Uly E. Crane, on premises. Brick and stone, 1 story, 12x18 feet, slag roof, concrete floors. Contract awarded to Ketcham & McQuade, 1029 Brown street.

Store (alts.), 2826½ Frankford avenue, \$5,000. Architects, Folsom & Stanton, 1329 Walnut street, Philadelphia. Owner, Michael P. Fox, 1412 Germantown avenue, Philadelphia. Consists of new bulk windows and interior alterations, slag roof, steam heating, electric lighting, tile work, oak and maple floors. Contract awarded to McCloskey & Bahls, Hale Building, Philadelphia.

Factory, Bridesburg, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Abrasive Material Co., James and Frailey streets, Philadelphia. Brick and terra-cotta, reinforced concrete floors, 2 stories, 125x32 feet, slag roof, metal lath, steel sash, fire doors, maple floors (heating, plumbing, electric work, lockers, sprinkler system and elevators, reserved). Contract awarded to James H. Wells, Heed Building, Philadelphia.

Parochial School. Fifth and Girard avenue, \$87,000. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, St. Peter's Roman Catholic Church, care Rev. Francis Auth, C.S.S.R., on premises. Consists of modernizing old school, addition of 8 classrooms, teachers' rooms, new toilet rooms, etc. Brick, granite veneer. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

Stores (alts.), 412-414 Market street, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owner's name withheld. Brick, consists of new bulks and interior alterations, steam heating, electric lighting, metal lath, parquet floors. Contract awarded to George Hogg, 1634 Sansom street, Philadelphia.

Parochial School (alt. and add.), Twenty-third and Mifflin streets. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, St. Edmund's R. C. Church, Rev. John J. Greensill, 1909 South Twenty-third street, Philadelphia. Granite, 2 stories, tile work (heating, plumbing, electric work separate bids). Contract awarded to William J. McShane, 417 South Thirteenth street, Philadelphia.

Twin Residence, Lincoln Drive and Carpenter street, Germantown, \$14,000. Architects, Simon & Bassett, 1114 Chestnut street, Philadelphia. Owner's name withheld. Stone, 2½ stories, 64x45 feet, electric lighting, steam heating, tile work, slate roof. Contract awarded to George Kessler Contracting Co., Drexel Building, Philadelphia.

Pennsylvania Construction News

Factory, Richland, Pa., \$15,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Curtis Jones, Richland Enterprise Manufacturing Co., Richland. Reinforced concrete and brick, 2½ stories, 41x121 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, waterproofing, dampproofing, sprinkler system, steel sash. Plans in progress.

Bungalow, St. Lawrence, Pa., \$5,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Samuel Phillips, Reading, Pa. Frame and stucco, 1½ stories, 32x32 feet, shingle roof, electric lighting, hardwood floors (heating reserved), waterproofing. Plans in progress.

Residence, Birdsboro, Pa., \$4,000. Architect, George L. Gerhard, 516 Penn street, Reading, Pa. Owner, Harry Hart, Birdsboro, Pa. Brick, 2½ stories, 28x32 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Office Building (alt.), 619 Penn street, Reading, Pa., \$8,000. Architect, George L. Gerhard, 516 Penn street, Reading, Pa. Owner, L. Bland Estate, Reading, Pa. New store front and interior alterations, 4 stories, electric lighting, tile floors. Plans in progress.

Club House (add.), Gymnasium, 128 North Tenth street, Reading, Pa. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owners, Catholic Literary Social Union, Palmer Boroner. Brick and stucco, 1 story, 20x75 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residences (3), Reading, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Ritter & Schoeder, Reading, Pa. Brick, 2½ stories, 15x50 feet, tin roof, hot air heating, combination lighting. Owners are sub-letting all contracts.

Garage, 555 North Front street, Reading, Pa., \$1,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, W. Irvin Reninger, Reading, Pa. Reinforced concrete, 1 story, 15x21 feet, reinforced concrete roof, electric lighting, concrete floors. Architect is sub-letting all contracts.

Hope Rescue Mission, Second and Court streets, Reading, \$20,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owners, Hope Rescue Mission, William White, superintendent, Reading, Pa. Brick and stone, 3 stories, 55x90 feet, slag and concrete roof, steam heating, electric lighting, reinforced concrete floors, metal sash, dumb waiters, laundry equipment. Architect taking bids, due May 17. C. H. Schlegel, H. J. Raudenbush, Daniel H. Hunter and L. G. Heinely, L. H. Focht & Son and Rundel & Behma, of Reading, Pa., and Adam Spatz, Wernersville, Pa., are figuring.

Masonic Home, Womelsdorf, Pa., \$7,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Williamson Lodge, No. 307, Charles P. Shoffer, chairman, Womelsdorf, Pa. Brick, 3½ stories, 40x56 feet, tile roof, hot water heating, electric lighting, tile and hardwood floors. Architect taking bids, due May 15th. The following are figuring: Adam Spatz, Wernersville, Pa.;

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Church and Sunday School, Wind Gap, Pa., \$40,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Reformed Lutheran Church, Rev. W. A. Dries, Wind Gap, Pa. Brick, 1 story, 100x100 feet, slate roof, steam heating, electric lighting. Plans completed. Owners ready for bids.

Store Rooms and Transformer Building, Ardmore, Pa. Engineer, J. A. P. Crisfield, U. G. I. Co., Broad and Arch streets, Philadelphia. Owners, Counties Gas and Electric Co., Ardmore, Pa. Brick, steel and concrete, 2 stories, 43x107 feet; composition roof, metal lath, roof ventilators, fire doors, reinforced concrete floors, metal sash, safety treads, iron stairs. Engineer has received revised bids.

Residence, Downingtown, Pa. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Edward Kerr, Jr., Downingtown, Pa. Frame, 2½ stories, 66x25 feet, shingle roof, steam heating, electric lighting, maple floors. Architects have received bids.

Store Buildings (3), Chester, Pa. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, H. M. McCoy, Spencer Stationery Company, and Sweeney & Clyde, Chester, Pa. Brick and terra cotta, 2 stories, 64x90 feet, slag roof, vapor heating, electric lighting, pine floors, tile and marble work, roof ventilators, composition floors. Owners have received bids.

Stable and Garage (alt. and add.), Wyncote, Pa. Architects, Neff & Thames, Heed Building, Wyncote, Pa. Owner, Thomas E. Brown, Wyncote, Pa. Stone, 2 stories, slag roof, concrete and cement floors, electric lighting (heating and plumbing reserved). Contract awarded to T. B. Conway & Co., Chestnut Hill, Pa.

Residences and Garages (2), Gladwyn, Pa. Architect, Alfred C. Bauer, 560 East Hermitage street, Philadelphia. Owners, W. A. L. Barker & Charles F. Barker, Gladwyn, Pa. Stone, 2½ stories, shingle roof (heating, plumbing and electric work separate bids). Architect taking bids, due May 9th. William H. Eddleman & Sons, 453 Green lane, Roxborough, Philadelphia, and Frank H. Mahan, Ardmore, Pa., are figuring.

Residence, Narberth, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, John B. Williams, Narberth, Pa. Stone, 2½ stories, 25x35 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Architect taking bids, due May 9th. The following are figuring: Doyle &

Co., 1519 Sansom street, Philadelphia, and W. D. Smedley, Narberth, Pa.

Shop Buildings, Coatesville, Pa., \$300,000. Engineer, private plans. Owners, Worth Bros. Co., care of Mr. Murphy, 1512 Widener Building, Philadelphia. Brick, steel and reinforced concrete. Machine shop, 326x132 feet; blacksmith shop, 134x75 feet; yard runway, 280x75 feet; slag roof, metal lath, roof ventilators, fire doors, steel stairs, steel sash (heating and electric work reserved). Owners taking bids, due May 12th. The following are figuring: Barclay White & Co., Perry Building; Irwin & Leighton, 126 North Twelfth street; W. W. Lindsay & Co., Harrison Building; Bailey-Lush Co., 201 North Broad street, Philadelphia.

Store Building, Pine Grove, Schuylkill Co., Pa. Architect, William A. Fink, Reading, Pa. Owner, N. Terauhow, Pine Grove, Pa. Brick, 3 stories, trussed steel roof. Architect taking bids, due May 12th. Lam Building Co., 1001 Wood street, Philadelphia, are figuring.

Residence (alt. and add.), Wyncote Manor, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, George Gray, Glenside, Pa. Frame and plaster, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architects taking bids, due May 10th. The following are figuring: W. John Stevens, Wyncote, Pa.; M. E. Hauser, Glenside, Pa.; George E. Blake, Glenside, Pa.; A. J. Heckman, Edge Hill, Pa.

Residence (alt. and add.) and Garage, Easton, Pa. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, F. G. McKelvy, Easton, Pa. Stone, 2½ stories, slate and tin roofs, oak floors, tile work (plumbing, heating and electric work separate bids). Architects taking bids, due May 12th. The following are figuring: Eugene Tourison, 1001 Chestnut street; J. Sims Wilson Co., 1125 Brown street, Philadelphia; W. F. Danzer & Co., South Bethlehem, Pa., and W. H. Synder, Asa S. Smith & Sons and A. A. Bechtel, all of Easton, Pa.

Residence (alts.), Merion, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, A. M. Lewis, Merion, Pa. Stone, 2½ stories, electric lighting, hot water heating, hardwood floors, tile work. Architects taking revised bids, due May 11th. Wilbert Beaumont, Stephen Girard Building; E. J. Hedden, Finance Building, Philadelphia; Alfred James, Bala, Pa., are figuring.

Residence and Garage, Haverford, Pa., \$20,000. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, Earle Mendenhall, 1338 Chestnut street, Philadelphia. Hollow tile and plaster, 3 stories,

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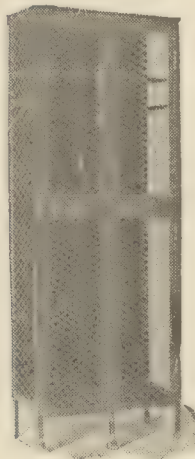
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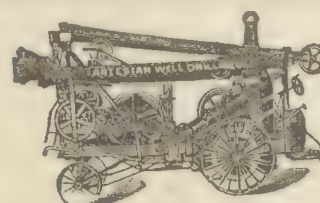
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73x29 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Architects taking sub-bids, due May 10th.

School, Enola, Pa., \$60,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg Pa. Owners, Board of Education, Enola, Pa. Brick, 3 stories. Plans in progress. Details not decided.

School, Palmerton, Pa., \$30,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Board of Education, Palmerton, Pa. Brick, 1 story. Plans in progress. Details not decided.

School and Hall, Steelton, Pa., \$10,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, St. Nicholas Servian Orthodox Church, Geo. Arlica, 753 South Second street, Steelton, Pa. Brick and cut stone, 3 stories, 37x86 feet, slag roof, hot air heating, electric lighting. Architect ready for bids.

Store and Apartments, Fourth and Blackburn streets, Harrisburg, Pa., \$150,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, The Doehn Estate, Messrs. C. A. and G. L. Soehn, Harrisburg, Pa. Reinforced concrete and brick, 4 stories, 100x106 feet, slag roof, vapor heating, electric lighting, reinforced concrete floors, waterproofing, dampproofing, metal partitions and sash. Plans about comp. Ready for bids in about two weeks.

School (alt. and add.), Cumberland, Pa., \$10,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Board of Education, M. A. Hoff, Secretary, Cumberland, Pa. Brick, 2 stories, 32x60 feet, tin roof, hot air heating, electric lighting. Owners ready for bids, May 19th.

Warehouse, corner Deinberry and Strawberry streets, Harrisburg, \$30,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Dives, Pomeroy & Stewart, Harrisburg, Pa. Reinforced concrete, brick and steel, 5 stories, 53x111 feet, composition roof, steam heating, electric lighting, reinforced concrete floors, metal sash and doors, dampproofing, elevator, sprinkler system. Plans in progress.

Dormitory, Rectory and Gymnasium, Lancaster, Pa., \$100,000. Architects, Dillon McLellan & Beadel, No. 3 West Twentyninth street, New York City. Owner, Reformed Theological Institute, care Rev. John C. Bowman, West James street, Lancaster, Pa. Brick and terra-cotta, 3½ stories, 100x40 feet and 125x45 feet, slate roof, steam heating, electric lighting, tile and hardwood floors, waterproofing, dampproofing, safety treads. Plans completed. Architects ready for bids in one week.

Residence and Garage, Chester, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, C. M. C. Lewis, Chester, Pa. Stone, 2½ stories, 35x40 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Architect taking bids, due May 10th. The following are figuring: Machin & Co., Nolan Bros., Louis Morris, Chester, Pa.; James H. Wells, Heed Building; Pomeroy Const. Co., 1609 Ransstead street; John E. Kearney, 327 North Sixty-third street, Philadelphia.

Apartment House, Harrisburg, Pa., \$50,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, J. H. Patton, 1924 North Third street, Harrisburg, Pa. Brick and steel and reinforced concrete, 5 stories, 45x85 feet, tile, slate and tin roof, steam or vapor heating, electric lighting, tile and hardwood floors, waterproofing and dampproofing, elevator. Architect taking bids, due May 11th. The following are figuring: C. W. Ladv. J. M. McKelvy, E. N. Lebo, Augustine Wildman, all of Harrisburg, Pa., and James H. Wells, Heed Building, Philadelphia.

Church, Stumptown, Pa., \$14,000. Architect, M. R. Evans, Lancaster, Pa. Owner, Old Mennonite Church, Henry Heller, Witmer, Pa. Brick, 1½ stories, 48x80 feet, slate roof, hot air heating, electric lighting, maple floors. Owner will sub-let all contracts.

Bungalow, Duncannon, Pa., \$9,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, C. F. Umberger, Esq., Harrisburg, Pa. Frame, 1½ stories, 26x58 feet, shingle roof, vapor heating, electric lighting, hardwood floors. Architect taking sub-bids on all lines.

Residence, Lancaster, Pa., \$7,000. Architect, M. R. Evans, Lancaster, Pa. Owner, M. H. Diefenbach, Lancaster, Pa. Hollow tile and stucco, 2½ stories, 23x30 feet, shingle roof, electric lighting, tile and hardwood floors. Plans about completed. Architect will be ready for bids in about one week.

Motor Sales Building, 214 North Duke street, Lancaster, Pa., \$15,000. Architect, J. B. Harman, 48 North Queen Street, Lancaster, Pa. Owner, Frank Sprecher, Lancaster, Pa. Reinforced concrete, brick and terra-cotta, 3½ stories, 30x95 feet, composition roof, hot water heating, electric lighting, reinforced concrete floors. Architect ready for bids.

High School (add.), West Lampeter Township, Pa., \$8,000. Architect, H. M. Bartholomew, Lancaster, Pa. Owners, School District of West Lampeter Township. Brick, 2 stories, 25x54 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Lancaster, Pa., \$4,000. Architect, H. M. Bartholomew, Lancaster, Pa. Owner, Enos Howery, Lancaster, Pa. Brick, 2½ stories, 34x34 feet, slate roof, hot water heating, electric lighting, compressed water system. Plans in progress.

Residence (alt. and add.), Old Philadelphia Pike, Lancaster, Pa. Architect, J. B. Harman, 48 Queen street, Lancaster, Pa. Owner, John W. Eckenrode, Lancaster, Pa. Brick, 2½ stories, 28x36 feet, hot water heating, electric lighting. Owner is sub-letting all contracts.

School (add.), Yatesboro, Cwanshanock Township, Pa., \$10,000. Architect, F. Y. Fahnestock, Jr., Commonwealth Building, Harrisburg. Owners, School District, Cwanshanock Township. Frame, 4-room addition, slate roof. Plans in progress.

Residences (12) and Garage, Lancaster, Pa., \$30,000. Architect, Frank J. Everts, Woolworth Building, Lancaster, Pa. Owner's name withheld. Brick, 3 stories, 22x45 feet, slag and slate roof, hot air heating, electric lighting, tile and hardwood floors. Plans in progress.

Residence, Lancaster, Pa., \$8,000. Architect, H. M. Bartholomew, Lancaster, Pa. Owner, George Roumfort, Lancaster, Pa. Stone, 2½ stories, 30x37 feet, tile roof, hot water heating, electric lighting, tile and hardwood floors, refrigerator built in. Owner taking bids, due May 10th.

Residences (3), Lancaster, Pa., \$9,000. Architect, M. R. Evans, Lancaster, Pa. Owners, Bowman & Kendig, Lancaster, Pa. Brick, 3 stories, 18x46 feet, slag roof, hot air heating, combination lighting, hardwood and tile floors. Plans in progress.

Residences (2), Lancaster, Pa., \$8,000. Architect, M. R. Evans, Lancaster, Pa. Owner, David N. Jeffries, West End avenue, Lancaster, Pa. Brick, 3 stories, 20x55 feet, tin roof, hot water heating, combination lighting, hardwood floors. Owner is taking sub-bids.

Residence, Lampeter, Pa., \$4,500. Architect, M. R. Evans, Lancaster, Pa. Owner, H. W. Ryers, Lampeter, Pa. Brick, 2½ stories, 30x28 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Residence, Lancaster, Pa., \$3,500, Archi-

tect, M. R. Evans, Lancaster, Pa. Owner, Walter R. Kendig, Lancaster, Pa. Brick and stucco, 2½ stories, 30x28 feet, shingle roof, hot water heating, electric lighting. Plans in progress.

Church, West Chester, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, M. E. Church of West Chester, Rev. Jay Dickinson, West Chester, Pa. Stone, 1 story, 90x116 feet, slate roof (heating, plumbing and electric work reserved). Architect taking bids (revised), due May 12th. The following are figuring: Smedley & Hoopes, William H. Jones, Joseph M. Burns and P. E. Jefferies, all of West Chester, Pa.

Bungalow, Drexel Hill, Pa. Architect, E. Allen Wilson, 1203 Chestnut street, Philadelphia. Owner, C. Wilkinson, Taylor avenue, Drexel Hill, Pa. Brick and plaster, 1½ stories, 48x31 feet, shingle or slate roof (heating and lighting reserved). Owner is sub-letting all contracts.

Shop Buildings, Williamsport, Pa. Architect, F. Arthur Rianhard, Williamsport, Pa. Owners, Lycoming Foundry and Machine Co., Williamsport, Pa. Brick, concrete and steel. Assembly building, 1 story, 154x103 feet; foundry building, 205x72 feet, asbestos or slag roofs, concrete, steel plates and wood block floors, metal sash, metal lockers, fire doors and ventilators (heating and electric work reserved). Architect taking bids, due May 11th. Metzger & Fisher, Denekla Building, Philadelphia, are figuring.

School, East Lampeter Township, Pa., \$4,500. Architect, H. M. Bartholomew, Lancaster, Pa. Owners, School District, Martin E. Brenner, Whitmer, Pa. Brick, 1 story, 38x38 feet, slate roof, hot air heating. Plans in progress.

Pennsylvania Contracts Awarded

Bungalow, Mt. Penn, Pa., \$2,800. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Lewis P. Allen, Mt. Penn, Pa. Frame and stucco, 1 story, 26x34 feet, kalorid roof, hot air heating, electric lighting, hardwood floors. Contract awarded to Calvin Wentzle, Reading, Pa.

Church (superstructure), Steelton, Pa. Architect A. A. Ritcher Sixth and Court sts., Reading, Pa. Owners, St. Mary's (Croatian) R. C. Church), Rev. A. Zuvich, Steelton, Pa. Brick, 1 story, 50x100 feet, slate roof, steam heating, electric lighting. Contract awarded to Stapf & Benfer, Harrisburg, Pa.

Residence (alt. and add.), Itham, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Mrs. M. Ellison Walbaum, Itham, Pa. Consists of general interior alterations and additions. Contract awarded to Gray Bros., Rosemont, Pa.

Residence, Elkins Park, Pa. Architect E. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Mrs. Henrietta Widener, Elkins Park, Pa. Hollow tile and stucco, 2½ stories, 24x47 feet, slate roof, oak floors, tile work (hot water heating, plumbing and electric work, separate bids). Contract awarded to S. M. Fessmire, Glenside, Pa.

Asphalt Plant, Harrisburg, Pa., \$4,000. Architect, C. Harry Kain, Harrisburg, Pa. Owners, City of Harrisburg, Harrisburg, Pa. Brick, 1 and 2 stories, 30x36 feet and 30x50 feet, slag roof. Contract awarded to Cranford & Stephenson, Harrisburg, Pa.

Store (alt. and add.), Lebanon, Pa., \$10,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Lewis Samuels, Lebanon, Pa. Brick, 3 stories, steam heating, electric lighting. Contract awarded to Jerry Greiner, Lebanon, Pa.

NEW JERSEY Construction News

Residence, Atlantic City, N. J., \$20,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owner, Jesse W. Starr, 3d., 304 Pacific avenue, Atlantic City. Brick and stucco, 3 stories, 66x41 feet, tile roof, oak and parquetry floors, metal lath, dampproofing (plumbing, hot water heating and electric work reserved). Architect taking bids, due May 12th. John N. Gill & Co., Heed Building; Metzger & Fisher, Denckla Building, Philadelphia, are figuring.

Church, Keansburg, N. J., \$20,000. Architect, W. P. Endebrook, American Mechanics Building, Trenton, N. J. Owners, R. C. Church, care Rev. Jno. E. Murray, New Monmouth, N. J. Brick, 1 story, 50x104 feet, slate roof (heating and electric work reserved). Owner taking bids, due May 9th.

Storage Warehouse, Sweets avenue, Trenton, N. J., \$15,000. Architect, J. Osborne Hunt, 114 North Montgomery avenue, Trenton. Owners, City of Trenton, N. J., Water Department. Brick, 2 stories, 70x70 feet, slag roof, 1 story, 68x26 feet, slag roof, electric lighting, reinforced concrete floors, steel sash, elevator, steel stairs, hardwood floors. Owners taking bids, due May 13th. The following are figuring: H. & M. Levy, Wm. R. Ivins, Jos. P. Barlow, Scott & Day, David Tietz & Son, Charles Y. Barlow, all of Trenton, N. J.

Residence, Merchantville, N. J., \$5,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner's name withheld. Frame and stucco, 2½ stories, 31x45 feet, shingle roof, hot water heating, combination lighting, hardwood floors. Plans in progress.

Business Block, Pennsgrove, N. J., \$9,500. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, L. W. Cook, Pennsgrove, N. J. Hollow tile and stucco, 2 stories, 60x40 feet, slag roof, hot water heating, combination lighting, hardwood floors, waterproofing and dampproofing. Plans completed. Architects ready for bids.

Banking House, Pennsgrove, N. J., \$20,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, People's Bank of Pennsgrove, Pennsgrove, N. J. Stone, 2 stories, slag roof, hot water heating, combination lighting, tile and hardwood floors, waterproofing, dampproofing. Plans in progress. Architects ready for bids in one week.

Theatre, Pennsgrove, N. J., \$25,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, Pennsgrove Improvement Co., Pennsgrove, N. J. Hollow tile, brick and stucco, 1 story and gallery, 58x120 feet, slag roof, steam heating, electric lighting, cement and wood floors, metal lath, dampproofing. Plans in progress. Will take bids in about one month.

Theatre, Broadway, Camden, N. J., \$75,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Broadway Realty Co., Camden, N. J. Brick and terra cotta and steel, 1 story and balcony, 53x138 feet, slag roof, steam or hot water heating, electric lighting, combination lighting, metal lath. Plans in progress.

Residence, Bridgeton, N. J., \$7,500. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, John P. Leap, Pennsgrove, N. J. Hollow tile and stucco, 2½ stories, 44x30 feet, slate or tile roof, hot water heating, combination lighting, maple floors, metal lath, waterproofing. Plans in progress. Architects will take bids about June 1st.

School Building, Riverview, N. J., Upper Penn's Neck Township, \$36,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, Upper Penn's Neck Township, N. J. Brick and stone, 2 stories and basement, 90x60 feet, slag roof, combination lighting, hardwood floors, metal lath, dampproofing. Plans in progress.

Residences (6), 1146 Laugham street, Camden, N. J. Architect, private plans. Owners, Crane-Moore Realty Co., 1146 Kenwood street, Camden. Brick, 2 stories, 15x43 feet, slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

trimmings, roof ventilators, fire doors, iron stairs. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

High School, Camden, N. J., \$500,000. Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owners, Board of Education, Camden, N. J. Brick, granite, terra cotta, steel and reinforced concrete, fireproof, slate and slag roof, iron stairs, metal lath, kalemein doors, fire doors, roof ventilators, waterproofing, slate blackboards, tile, marble and terrazzo work, yellow pine floors, metal weather strips (heating, plumbing and electric work separate bids). Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

High School, Port Norris, N. J., \$20,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, Board of Education, Mortimer Mayhew, secretary, Buckshutem, Port Norris, N. J. Brick, 2 stories, 60x90 feet, slate roof, steam heating, electric lighting, waterproofing. Contract awarded to H. H. Bradway, Port Norris, N. J.

Proposals

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 25, 1916.—Sealed proposals will be opened in this office at 3 P. M., June 6, 1916, for the construction of the United States post office at Waynesville, N. C. Drawings and specifications may be obtained from the custodian of the site at Waynesville, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

WANT STATE BUILDING CODE.

Legislation to Govern Practice of Architecture Also Interests Convention of Architects.

Legislation necessary to govern the practice of architecture and a State Building Code in Pennsylvania, were the chief subjects under discussion at the eighth annual meeting of the Pennsylvania State Association of the American Institute of Architects.

The sessions are being held in the Adelphia Hotel. Saturday the members were given a dinner at Le Coin D'or Club before the third annual Stewardson party of the Philadelphia Chapter of the American Institute of Architects.

TEST FIRE RESISTANCE.

An investigation of fire resistance is being undertaken by the United States Bureau of Standards to determine the effect of fire on the full-size wall members commonly used in present building construction,

NEW JERSEY Contracts Awarded

Store (alt.), Trenton, N. J. Architect, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, Charles Sutekert, State and Warren streets, Trenton. New front and interior alterations, metal ceilings and side walls. Contract awarded to Ed. La Rue, 53 S. Hermitage street, Trenton.

Residences (3), 527 Princeton avenue, Trenton, \$7,000. Architect, W. P. Endebrook, American Mechanics Building, Trenton, N. J. Owner, John H. Kafes, 531 Princeton street, Trenton, N. J. Brick, 2½ stories, 15x28 feet, slag and slate roof, hot air heating, gas lighting. Contract awarded to W. J. Morris, Trenton, N. J.

Residence, Trenton, N. J., \$8,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, Dr. Leland Kniffin, 726 Riverside avenue, Trenton. Brick, 2½ stories, 37x40 feet, slate roof,

hot water heating, combination lighting, tile and hardwood floors. Contract awarded to Wm. Ivins, 705 Monmouth street, Trenton.

Cow Barn, County Farm, N. J. Architects, Kleeman & Fowler, Trenton, N. J. Owners, County of Mercer, County Board of Freeholders. Frame, 2 stories, 78x32 feet, shingle roof, electric lighting, cement and wood floors. Contract awarded to Henry Bros., Trenton, N. J.

Library Building, Camden, N. J., \$130,000. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owners, City of Camden, N. J. Donor, Eldrige R. Johnson, president, Victor Talking Machine Co., Camden, N. J. Stone and steel, fireproof, 1 story, 108x56 feet, reinforced concrete floors, promenade tile roof, steam heating, electric lighting, oak, cork and tile floors, metal lath, vacuum cleaning system, metal doors and

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Editorial Comment

The twenty-seventh annual report of the City Parks Association, issued last week, contains a mass of carefully compiled data that should be of interest to builders and architects. This report estimates, to begin with that not less than two hundred and fifteen thousand people, more, in fact, than the combined population of Erie, Altoona, Wilkes Barre and Williamsport, will be added to the Philadelphia metropolitan district during the next four years.

If the report presented nothing else of interest this estimate, based on a calculation of previous rates of growth in the city's population, should imbue operative builders with a sense of the healthy and consistent demand likely to avail the opening up of new outlying sections.

By way of stimulating expansion of the city's population the association presents a series of recommendations for the beautification of various outlying districts.

The prompt acquisition of Kirkbride's, on the west bank of Cobb's Creek and all of Tacony Creek not yet taken for park purposes, is urged. Concerning Kirkbride's it says that "we recommend strongly that without further delay an ordinance be passed to place the property as a park on the city plan. It can then be acquired by instalments through condemnation proceedings from time to time."

"Kirkbride's," it says, "will be the Central Park of West Philadelphia," and it further asserts that that section of the city has been "damaged irreparably for all time through the loss of Sherwood Forest" and that "Kirkbride's must not be another Sherwood Forest."

Cobb's Creek Park and the two sections of Morris Park, along the east and west branches of Indian Creek, should be extended to the sources of the streams "one of which is near Bryn Mawr, another near Ardmore and the third near Narberth." Several photographs are printed to show the impossibility of making a complete Cobb's Creek Park unless a strip along the west side of the valley is acquired.

* * *

There should be no delay in the completion of the Parkway and the Art Museum, according to the association, because "such improvements pay for themselves in the long run through increases in the assessed valuations of the neighboring property," and "the longer the city delays, the longer this monetary return from increase in income from taxation will be postponed." It expressed the hope that \$3,000,000 would be provided in the loan bill for the Museum of Art. The report was drafted before the present loan bills were formulated. "The folly of delay in the construction of the museum," it said, "has been already sharply demonstrated during the last

year." A reproduction of the model for the museum forms the frontispiece of the report.

While commending the progress in port development which had been made, the report makes a plea to the city planners to turn their eyes to that portion of the Delaware River southwest of the Schuylkill. "We believe," it says, "that Philadelphia is short-sighted in not recognizing the unsurpassed possibilities of its metropolitan area.

"The opportunity for a great Philadelphia port lies southwest of League Island. It lies between the junction of the Schuylkill and Delaware Rivers and Chester.

"Here is a magnificent territory, which is 8 or 10 miles nearer deep water. Especially important is the fact that it lies below the Horseshoe. It is traversed by three railroads, the Pennsylvania, the Baltimore and Ohio and the Philadelphia and Reading. The new rapid transit lines should tap this territory, thus extending as far southwestward as we are already contemplating their extension northeastward.

"This territory is available for the construction of piers and docks 2,500 to 3,000 feet in length. The latest New York piers are from 1,700 to 2,000 feet in length."

* * *

Philadelphia, the association urges, should take up the Schuylkill embankments as the next project following the completion of the Parkway. It asserts that the city could not advertise itself more extensively than by such improvements, and it refers to what has been done in Boston, Washington, Chicago, Montreal and other cities along this line. If Philadelphia "is the first American city of the United States to construct such embankments in a really effective manner, it will secure additional advertisement," the association contends, "but its chance for leadership is rapidly being lost."

* * *

"In other cities," it says, "public spirited citizens have not hesitated to subscribe \$25,000 to \$50,000 to secure the preparation of adequate plans. If the Comprehensive Plans Committee does not promptly undertake a Metropolitan Plan, may not Philadelphia count among its numbers citizens of a civic patriotism equal to that of the citizens of other American cities?"

* * *

The report notes the passage of an act by the last Legislature designed to protect residential zones and to enable the city to regulate the height of buildings. "Any self-seeking iconoclast of property values may establish any kind of an industry in a residence district," the report says, "provided it is not a bone-boiling establishment or similar nuisance, and thereby cut land values in half overnight.

"The deepening and darkening of Chestnut

street canyon, its increasing dangers to public health and its utter inadequacy for the traffic caused by the skyscrapers are becoming more obvious every day. If the disease of skyscrapers is to be quarantined within the affected area, and if all the rest of Philadelphia is to be safeguarded from it, prompt action under the foregoing act must be had. We earnestly urge that regulations of the height and use of buildings, properly directed to promote the public health, safety, order and general welfare, shall be passed for the entire city, and that the Park Commission shall make vigorous measures applicable to parks generally and particularly to the Fairmount Parkway and other boulevards under its jurisdiction. No more imperative duty confronts the city and its public authorities than action to enforce its power under this excellent enabling act."

* * *

The report urges excess condemnation and the assessment of special benefits as the means of paying for city improvements. It quotes figures from Montreal showing how by means of excess condemnation the city has secured two new streets and a part of two acres with an actual profit of \$54,000. It strongly recommends that every kind of public improvement shall, where there are special benefits, be paid for, to the extent of such benefits, by special assessments.

"It should be appreciated," it says, "that failure to assess special benefits where there are special benefits cripples the progress of the city and prevents other property owners from getting improvements to which they are equally entitled. The city has only a certain sum to spend on developments; the assessment of benefits will make that sum go much further than it would if there were no such assessment.

"For instance: if the city spends \$5,000,000 on an improvement and no benefits are assessed, that one improvement is all it gets. Suppose, however, it assesses 80 per cent. of that cost on the zone of property increased in value by it; the city will then have \$4,000,000 for another improvement; if it assesses 80 per cent. of this cost likewise it will have \$3,200,000 for a third improvement; after that improvement is likewise financed by special assessments, it will have \$2,560,000 for a fourth; then \$2,048,000 for a fifth, \$1,638,400 for a sixth, and so on; getting many times more improvements than it otherwise could. If the special assessment is higher, then the \$5,000,000 will go farther; if lower, it will probably vary with each improvement, but the city is bound to progress far more rapidly than it would if the expenditure of the taxpayers' money is not permitted to reap the benefit in special improved values which that expenditure creates."

* * *

Out of the existing loan funds, in the event of an ordinance pending before Councils being passed at the next session, as is considered likely, more than one hundred thousand dollars will be expended during the coming summer in bettering the condition of eleven

of the smaller parks of the city. The largest item in the bill, which was reported with a favorable recommendation by the Finance Committee during April, sets aside the sum of \$21,500 for the improvement of Washington Square, where changes have been under way for two years. During the past year the walks in and about this square were relaid so as to accommodate the flow of traffic, and at present a gang of laborers and gardeners is at work planting trees and shrubs provided out of the fund of approximately \$6,000 that was raised by the voluntary self-assessment of the owners of property facing the square.

When this work is completed City Forester Pond, who has general supervision of the improvement, says there will have been planted some sixty large trees and eighteen hundred shrubs and plants. The city's appropriation is intended mainly for the erection of a new comfort station, the location and design of which have been a matter of some concern to the surrounding property owners, and soil treatment and additional planting will also be undertaken.

* * *

But a smaller appropriation in the bill, which contains the suggestion of the beginning of a series of like grants and may result in giving the city an entirely new attraction, is contained in an item of \$10,000 for Bartram's Garden. With this sum it is intended to begin during the late summer, and continue through the fall, winter and early spring of 1917, the planting and cultivation of a small botanic garden and arboretum, where rare and interesting plants indigenous to America will be cultivated in the manner that would have pleased the heart of Philadelphia's most noted botanist.

Part of the appropriation will also be used in clearing the swampy area to the south, repairing old walks and adding a few new ones. But out of the sum available, Mr. Pond believes a fairly creditable beginning can be made on a small scale to indicate what the city might do in the creation of a larger and probably more accessible botanic garden.

The largest single item in the pending bill is one of \$38,000 for the improvement of two South Philadelphia parks, one at Twenty-fourth and Jackson streets and the other at Twenty-ninth and Morris streets. But the former park, being below grade and requiring considerable filling, will not be developed during the coming summer, and as the Twenty-ninth street park has not been officially turned over to the Bureau of City Property no plans have as yet been drawn for its improvement. So that the sum, representing nearly a third of the total appropriation, is now being chiefly "ear-marked" for future use.

Other parks that come under the new bill, for sums of from \$2,500 to \$8,000 each, are Independence, Logan, Franklin and Ontario Squares, Connell Park and the small plot at Front and Allen streets. In these parks, as well as in the others included in the bill, and in Clark, Cornelius, Gorgas, Stenton, Rebyburn

and other parks for which work is under way under other appropriation items, a thorough, scientific treatment of the soil is contemplated.

* * *

All of these various improvements considered in connection with the enlarged transit facilities contemplated to suburban and semi-suburban sections presage a period of extraordinary building activity in and about Philadelphia during the coming decade. There will be opened up as the result of these various improvements thousands of acres of practically new territory and row after row of new operative dwellings in addition to buildings of a commercial, industrial and better residential type.

The building outlook is, indeed, one highly encouraging. With money easy, the city's population showing a steady increase, and all sorts of large schemes for improvement and for the beautification and betterment of the city's port and living facilities under way, the next ten years should prove "boom" years in every avenue of the building trades.

THE REASON WHY BLUE PRINTS COST MORE.

Not only has the price of blue print chemicals advanced, but raw stock blue print papers within the last few months have advanced almost 100 per cent.

Paper which could be purchased in normal times for 7 and 8 cents per pound, now costs 12 and 13 cents per pound. Paper which sold for 11 and 13 cents per pound, now costs 20 and 22 cents per pound.

In addition, the labor laws now make it necessary for all blue printers to send messenger boys to school for at least one day each week.

All incidental expenses for supplies, such as wrapping paper, twine and in fact everything entering into the making of a blue print has almost doubled in cost.

And it looks as if the end had not yet been reached.

ARTS AND CRAFTS GUILD EXHIBIT.

The Arts and Crafts Guild, of Eleventh and Locust streets, is holding a very interesting country house exhibit, which consists of furniture, rugs, decorative iron work, stained glass, tiling, pottery, table silver, china, glassware and textiles. Those who are not familiar with what the various arts and crafts movements have accomplished in this country will be astonished at the beauty and technical value and usefulness of all the things that the guild displays.

BUILDING MEN TO MEET.

The National Association of Building Owners and Managers will hold its ninth annual convention in St. Louis on September 12-15.

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Miscellaneous Construction News

Library, Wilmington, Del., \$500,000. Architect, Edward L. Tilton, 32 Broadway, New York City. Owners, City of Wilmington, Del. Stone and steel, fireproof, 2 stories. Plans in progress. Details not decided.

Service Station, Wilmington, Del., \$30,000. Architect, J. D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, Gomery Schwartz Motor Co., 1011 Orange street, Wilmington. Brick, terra cotta and steel, 3½ stories, slag roof, steam heating, electric lighting, concrete and tile floors, waterproofing, elevator, storage tanks. Plans about completed. Architect will be ready for bids in about one week.

Church, Betterton, Md., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Sacred Heart R. C. Church, Rev. J. F. Herver, Chestertown. Brick and stone, 1 story, 38x80 feet, slate roof, steam heating, electric lighting, dampproofing. Owners will take bids.

Filtration Plant, Wilmington, Del. Engineer, Geo. W. Fuller, 170 Broadway, New York City. Owners, City of Wilmington, Board of Water Commissioners. Consists of a mechanical filtration plant, including basins, reservoirs and headhouse, reinforced concrete hollow tile and terra cotta, 3 stories, 38x38 feet, slag roof, steam heating, electric lighting, elevator metal lath, waterproofing, steel lockers, roof ventilators. Owners taking bids, due May 12th at 2 P. M. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring. Plans may be obtained from engineer on deposit of \$50.00.

Residence, Great Neck, L. I., \$100,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Henry Phipps, 787 Fifth avenue, New York City. Brick, plaster, marble trimmings, fireproof, 2½ stories, 232x56 feet, slag, copper and tile roof, steam heating, concrete floors, metal lath,

marble and tile work (electric work and cabinet work reserved). Architect taking bids, due May 10th. The following are figuring: Geo. F. Payne & Co., 401 S. Juniper street; Milton W. Young, Overbrook, Philadelphia; Jacob & Young, 116 W. Thirty-second street, New York City; J. H. L'Hommiedieu, 152 Madison avenue, New York City; Geo. A. Fuller Co., 111 Broadway, New York City.

Service Building, Washington, D. C., Architects, Beal & Brown and Richard Fourchy, 1725 H street, N. W., Washington, D. C. Owner, Isaac T. Mann, Washington, D. C. Reinforced concrete, granite and terra cotta, 3 stories, 105x61 feet, composition roof, steam heating, electric lighting, waterproofing, metal lath, ornamental iron tile work, metal sash, electric elevator. Architects taking

bids, due May 17th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Office Building, Wilmington, Del., \$30,000. Architect, Rosecoe C. Tindall, Equitable Building, Wilmington. Owner, name withheld. Brick, stone and steel 3 or 6 stories, slag roof, steam heating, electric lighting. Architect has received bids.

Passenger Station, Syracuse, Ind., \$40,000. Engineer, M. A. Long, B. & O. Building, Baltimore, Md. Owner, Baltimore & Ohio Railroad Co., Baltimore, Md. Brick, 1 story, 20x67 feet, tile roof, steam heating, electric lighting, safety treads, tile work. Owners taking bids, due May 15th. Irwin & Leighton, 126 North Twelfth street, and Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Miscellaneous Contracts Awarded

Garage, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Arthur Porter, 1100 Rodney street, Wilmington. Brick and stucco, 2 stories, 20x30 feet, slate roof, hot water heating, electric lighting, concrete floors. Contract awarded to W. Howard May, 1014 Rodney street, Wilmington.

Garage and Engine House, Cossart, Pa. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Francis Whitten, Wilmington, Del. Stone, 2 stories, 30x40 feet, shingle roof, steam heating, electric lighting, reinforced concrete floors, electrical equipment. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington.

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, Mrs. Mary C. Wendon, Wilmington, Del. Hollow tile and stucco, 2½

stories, 40x35 feet, shingle roof, hot water heating, electric lighting, tile floors. Contract awarded to Edward Johnson, Wilmington, Del.

Residence (alt. and add.), Wilmington, Del. Architects, De Armond, Ashmead & Bickley, 1529 Walnut street. Owner, Mrs. Frank L. DeArmond, 900 Broome street, Wilmington. Brick addition, 3 stories, 29x32 feet, slag roof, electric lighting (plumbing, hot water heating and tile work reserved). Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Factory Buildings, Jackson avenue, Long Island, N. Y. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, James K. Stewart, on premises. Reinforced concrete, 4 stories, 345x80 feet; 1 story, 180x52 feet; slag roofs, steam heating, electric lighting, elevators, metal sash, waterproofing. Contract awarded to Jacob A. Zimmerman & Sons, Inc., 18 East Forty-first street, New York City.

MARYLAND Construction News

Hotel (alts.), North avenue and Charles street, Baltimore. Architect, Howard Sill, 11 E. Pleasant street, Baltimore. Agents, Turnbull & Morgan, 12 East Lexington street, Baltimore. Consists of general interior alterations, and changing first floor to stores. Plans in progress.

Drydock and Buildings, Foot of Martin street, Baltimore, \$500,000. Engineer, private plans. Owner, Baltimore Drydock & Shipbuilding Co., Thos. H. Bowles, President, Title Building, Baltimore. Concrete and steel. Plans in progress.

Dwelling, Guilford, Md. Architect, Edw. L. Palmer, 1620 Munsey Building, Baltimore. Owner, Ernst Schmeiser, Maryland Casualty Tower, Baltimore. Brick and stone, 2½ stories, slate roof, heating not decided, gas and electric lighting, interior tile walls, hardwood floors, plumbing. Plans in progress.

Dwelling, Guilford, Md., \$30,000. Architects, Mottu & White, 322 North Charles street, Baltimore. Owner, Lawrence M. Buck, Fort avenue and Lawrence street, Baltimore. Brick and stone, 2½ stories, slate roof, electric lighting. Plans in progress.

Residence, Guilford, Md. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Brick, 2½ stories, slate roof,

electric lighting, tile work. Plans in progress.

Factory Buildings, Twenty-fifth and Montebello avenue, Baltimore. Architects, private plans. Owner, Linde Air Products Co., Forty-second Street Building, New York City. Brick and steel, 1 story, 100x125 feet, concrete roof, electric lighting. Plans in progress. Owners will take bids in about two months.

Store and Apartments (alt. and add.), southwest corner St. Paul and Twenty-first streets, Baltimore. Architect, Walter M. Gieske, Gunther Building, Baltimore. Owner, Miles E. Mixson, on premises. Brick, 4 stories, electric lighting. Plans in progress.

Sunday School and Parsonage, Thirtieth and Remington avenue, Baltimore. Architect, John B. Walter, 642 Clinton avenue, Baltimore. Owner, Bethany United Evangelical Church, Rev. Harry Minskey, No. 5 West Fort avenue, Baltimore. Brick, 2 stories, slate roof, electric lighting. Plans in progress.

School and Convent, Twenty-seventh and Maryland avenue, Baltimore, \$40,000. Architect, Hugh I. Kavanaugh, 226 East Eager street, Baltimore. Owner, St. James' Roman Catholic Church, Rev. John E. Wade, North Charles street, near Twenty-seventh,

Baltimore. Brick, 3 stories, 106x36 and 90x32 feet, slag roof, steam heating, electric lighting, fireproof stairs, tile floors, vacuum cleaner. Plans in progress. Owners will take bids in about two weeks.

Residence (alt. and add.), Cold Spring lane and Hawthorn road, Roland Park, Md. Architect, Walter M. Gieske, Gunther Building, Baltimore. Owner, F. R. V. Williams, President, Finance & Guaranty Co., Calvert and German streets, Baltimore. Consists of general interior alterations and new wing, stone, garage, frame, hot water heating, new bathrooms. Architect taking bids, due May 13th. The following are fig-

uring: Roland Park Co., Roland Park, Md.; W. E. Harn Co., 213 North Calvert street; Gladfelter & Chambers, 729 Roland avenue; Allen Potts, 904 Cold Spring lane; E. G. Turner, 15 E. Fayette street, Baltimore.

Residence, Guilford, Md., \$18,000. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, Julian S. Carter, Knickerbocker Building, Baltimore, Md. Brick, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in about two weeks.

Wm. Adair (O), Hartwell and Semonal avenues. Henry Dean (C), E. Shawmont avenue and Chestnut Hill. Cost, \$2,800. Brick, 16.4 x52 feet, 2 stories, tin roof, hot water heat, southwest corner Roanoke and Abington avenue.

Alterations and Additions

Strawbridge & Clothier (O), Eighth and Market streets. Stacy Reeves & Sons (C), 2011 Market street. Cost, \$36,000. Department store. Brick fire tower, 8.6x16.6 feet and general alterations for fire, Eighth and Market streets.

E. Sturo Son Co. (O and C), Clearfield and Thompson streets. Garage and wagon shed. Cost, \$1,200. Garage, brick, 25x19 feet; shed, 25x30 feet, gravel roof, northeast corner Clementine and E. Thompson streets.

Hardwick & Magee Co. (O), southeast corner Seventh and Lehigh avenue. Henry E. Bator (C), Twelfth and Sansom streets. Cost, \$8,000. Brick pump and waste rooms, 22x75 feet and 44x20 feet, southeast corner Seventh and Lehigh avenue.

Women's Home Missionary Society (O), 611 Vine street. Ira C. Thomas (C), 516 Willow street. Cost, \$600. Brick, general alterations in rear, 609-11-13-15 Vine street.

E. Ackley (O), Thirteenth and Rockland streets. Freak Graupner (C), Wagner avenue below Tobar road. Cost, \$500. Stone, 13x19 feet. Garage, Sixty-fourth avenue north side and east of Seventieth street.

M. G. Mackenie (O), Somerton, Pa. Chas. T. Ely (C), Somerton, Pa. Cost, \$2,400. Garage, frame, 30x32 feet, 2 stories, west of Hershel road, north of Cemetery lane, Somerton.

Wm. Sellers & Co., Inc (O and C), 1600 Hamilton street. Cost, \$500. Lavatory, brick, 11x16.6 feet, Hamilton street between Sixteenth and Seventeenth streets.

Tacony Trust Co. (O), Longshore and Tulip streets. Jno. Rapp (C), Longshore and Tulip streets. Cost, \$5,000. Post office, brick, rear addition, 22x64 feet, southeast corner Tulip and Longshore streets.

Andria Coloma (O), 909 Kimball street. Frank Pizzo (C), 908 Kimball street. Cost, \$780. Dwelling, brick, third rear addition, 13x8 feet, 909 Kimball street.

Chas. F. Jenkins (O), Kitchens lane. W. L. Gruble (C), 219 High street. Cost, \$700. Dwelling, frame, bathroom, 6x9 feet; tin roof new porch, 10x14 feet, slate roof, north side Kitchens lane, west of Wissahickon avenue.

Owen Osborn (O), Fourth and Somerset streets. Stewart Bros. (C), 25 Orkney street. Cost, \$1,000. Galv. iron, 39x36 feet. Storage, Leithgow above Somerset street.

Westmoreland Dye Works (O), Jasper and Westmoreland streets. A. J. Stewart, Jr. (C), 2526 North Orkney street. Dye house, brick, second-story addition, 28x33 feet, Jasper and Westmoreland streets.

Westmoreland Dye Works (O), Jasper and Westmoreland streets. A. J. Stewart, Jr. (C), 2526 Orkney street. Cost, \$5,100. Boiler house, 50.3x39 feet, Cornwall and Jasper sts.

Eli Resnick (O), 991 North Marshall street. M. Zussman (C), 991 North Marshall street. Cost, \$1,800. Store and storage, brick, 1 story rear addition, 16x20 feet, and general interior alterations, 999 North Marshall street.

Jas. McClatchy (O and C), 848 Land Title

MARYLAND

Contracts Awarded

Clubhouse, Roland Park, Md. Architect, Smith & May, Calvert Building, Baltimore. Owner, Stony Run Country Club, L. O. Ogier, care Roland Park, Md. Frame, 2 stories, shingle roof, reinforced concrete floor, dampproofing, etc. Contract awarded to Blake & Engle, Law Building, Baltimore.

Factory Buildings, Fairmount avenue and Eighth street, Baltimore. Architect, private plans. Owner, Maryland Mantel & Manufacturing Co., Monument and Eleventh street, Baltimore. Brick, slag roof, concrete floors, electric lighting, plumbing. Contract awarded to Wm. Freitag, 918 North Bond street, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Martin Nowark (O), 2662 Lefvere street. Edw. Hilton (C), 1908 Kinsy street. Cost, \$3,200. Two dwellings, brick, 14.2x42 feet, 2 story, slag roof, hot air heat, northwest corner Almond and Lefvere streets.

Pas. Clard (O), 523 Lafayette Building. Jacob Batalsky (C), 604 South Third street. Cost, \$2,200. Dwelling, 14.9x35 feet, 3 story, slag roof, hot air heat, 604 South Third street.

Jno. Thomas (O), Fifth and Wyoming sts. F. L. Davis (C), Thirteenth and Media sts. Cost, 4,800. Dwelling, brick, 16x54 feet, 3 story, slag roof, hot air heat, Broad and Medary avenue.

Frank & Kaiser (O and C), 1522 S. Sixth street. Cost, \$14,400. Six dwellings, brick, 16.6x54 feet, 2 stories, slag roof, hot water heat, 2403 to 13 E. Allegheny avenue.

Hugh C. Forbes (O and C), 5916 Catherine street. Cost, \$3,400. Dwellings, brick, 16.4½ x33 feet, 2 stories, felt, pitch and slag roof, hot water heat, Fifty-ninth and Larchwood avenue.

Wm. Franks (O), Fifth and Dauphin sts. W. Fisher (C), 4400 North Franklin street. Cost, \$6,000. Dwelling and one store, 34x50 feet, 2 stories, brick, slag roof, hot water heat, southeast corner Franklin and Cayuga streets.

Wm. Kranks (O), Fifth and Dauphin sts. W. Fisher (C), 440 North Franklin street. Cost, \$2,200. Brick, 2 stories, 15x40 feet, slag roof, hot water heat, 4359 North Franklin street.

Ronald A. Meedham (O and C), southeast corner Church and Griseom streets. Cost \$40,700. Twenty-seven dwellings, brick, 2 stories, slag roof, hot air heat. One 16x29 feet; one 15.2½x43 feet; nine 15x43 feet,

Bridge street and Torresdale avenue. Ten 15x43 feet; one 14.7½x43 feet; three 14.1x43 feet, Granite street and Torresdale avenue. One 14x60 feet and one 14x43 feet, southwest corner Torresdale avenue and Bridge street.

Norman Aspden (O), 483 Gehart street. C. M. Swartley (C), 6835 Ridge avenue. Cost, \$6,500. Dwelling, 30x35 feet, 3 story, slate roof, hot water heat, south side Gates street, 452 feet E. Ridge avenue.

Norman Aspden (O), 483 Gehart street. C. M. Swartley (C), 6835 Ridge avenue. Cost, \$7,00. Brick, 31x35 feet, 3 stories, slate roof, hot water heat, south side Gates street, 288 feet east of Ridge avenue.

Hugh C. Forbes (O and C), 5916 Catherine street. Cost, \$52,900. Nineteen dwellings, brick, 16x33 feet, Fifty-ninth and Larchwood avenue. Fifteen dwellings, 15x32.6 feet, felt, pitch and slag roof, hot water heat, Readfield and Larchwood streets.

Frankford Society Co. (O), Penn and Unity streets, Frankford. S. B. Oster (C), 1910 Germantown avenue. \$6,000. Garage, brick, 38x76 feet, 3 stories, slag roof, heater, 1620-22 Unity street, Frankford.

Kahn & Greenberg (O), Morris Building. Warren Moore & Co. (C), 520 Commercial Trust Building. Cost, \$175,000. Reinforced concrete building, 6 stories, 65.2x160.4½ feet, slag roof, fire proof enclosure around stairway, northwest corner Broad and Poplar streets.

Jas. Pollock (O), Lenirole avenue. Jno. E. Walt (C), 204 E. Willow Grove avenue. Cost, \$14,550. Dwelling, stone and brick, 3 stories, 51.2x57.6 feet, shingle roof, hot air heat, Lenirole and Willow Grove avenue.

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Building. Cost, \$500. Garage, stone, 16x20 feet, 1 story, 501 Westview avenue.

Norman Perry (O), 5013 Wakefield street. John N. Mowrer (C), 5013 Wakefield street. Cost, \$500. Dwelling, rear addition, 5007 Wakefield street.

Up-to-date Ice and Coal Co. (O), Mt. Airy and Sprague street. Wm. H. Eddleman & Sons (C), 453 Green lane, Roxborough. Cost, \$2,000. Storage office, brick, on premises.

Glen Willow Ice Mfg. Co. (O), Main street, Manayunk. Wm. H. Eddleman & Sons (C), 453 Green lane, Roxborough. Cost, \$2,000. Storage ice house, brick, 35x22 feet, Ridge avenue and Green lane.

Lit Bros. (O), Eighth and Market streets. John N. Gill Co. (C), 1215 Filbert street. Cost, \$4,000. Stable, 1725 North street.

Henry Korihlum (O), 555 North Second street. Wm. E. Stoeffler (C), 1237 North Eleventh street. Cost, \$425. Bakery and dwelling, southwest corner Seventh and Jefferson streets.

Catarona Romano (O), 1420 South Board street. Frank Lucci (C), 1351 Christian st. Cost, \$400. Dwelling, brick, 1 story, rear addition, 14x12 feet, 1420 South Broad street.

J. D. Munro (O), 923 South Fifty-fourth street. J. C. Magill (C), 5710 Chester avenue. Cost, \$600. Dwelling, interior alterations, 1151 South Wilton street.

W. H. Mechling (O), Wingohocking Heights. F. L. Hoover & Sons (C), 1024 Cherry street. Cost, \$650. Sleeping porch, 15x10 feet, northeast corner Wingohocking streets and Church lane.

Brodsky & Bro. (O), 464 North Third street. Cost, \$800. Four dwellings, rear addition, Fifty-second and Columbia avenue.

Jacob Goldstein Lavit (O), 1752 North Eighth street. Cost, \$2,850. Three dwellings, brick, rear addition, 1744-46-52 North Eighth street.

A. Holmes & Sons, Inc. (O), Allegheny avenue and A street. M. Ward Easby (C), 1420 Chestnut street. Cost, \$10,000. Weave shed, northeast corner Allegheny avenue and A street.

J. Biberman (O), Twenty-third and Chestnut streets. I. A. Dunkelberger (C), 71 E. Herman street. Cost, \$700. Dwelling, interior alterations, 607 W. Upsal street.

Amos M. Scott (O), southeast corner Twelfth and Pine streets. J. Rose & Son (C), 5121 Brown street. Cost, \$14,000. Hotel, brick, 4 stories, addition, 1136-38 Pine street.

J. Myers (O), 144 W. Wyoming avenue. L. Peters (C), 170 W. Seymour street. Cost, \$500. Store, alterations, 4905 Wayne avenue.

Lukens & Montgomery (O), 1135 Shackamaxon street. J. D. Fisher (C), 5718 Market street. Cost, \$4,800. Four dwellings, brick, additions, 1516-18-20-22 North Second street.

A. T. Drexel Estate (O), Drexel Building. Wm. Easterbrook (C), 124 North Fourth st.

Cost, \$2,000. Elevator shaft, 28 South Sixth street.

E. Scott (O), 2520 South Sixty-second st. E. R. Sabin & Co. (C), Fifty-fourth and Cedar avenue. Cost, \$400. Dwelling, heating, 2520 South Sixty-second street.

Girard Estate (O), Lafayette Building. M. Vaughn (C), Northwest corner Twentieth and Porter streets. Cost, \$2,000. Garage, brick, 1 story, 2616-18-20 South Eighteenth street.

Wm. Vito (O), 1335 South Clarion street. C. D. Nidno (C), 1633 South Carlisle street. Cost, \$450. Dwelling, 2 story, brick, 1335 S. Clarion street.

E. G. Budd Mfg. Co. (O), Twenty-fifth and Hunting Park avenue.

J. Mose & Son Co. (O), 764-66 South Eighth street. Frank Lucci (C), 1351 Christian st. Cost, \$1,250. General alterations, 764-66 S. Eighth street.

John Illingsworth (O), south side Lewis, corner of Tacony street. Cost, \$2,500. Foundry, Lewis and Tacony streets.

Chas. J. Pizano (O), 809 Moore street. Paul Vollono (C), 817 Hutchinson street. Cost, \$400. Dwelling, brick, 809 Moore street.

Joseph Jantz (O), 3104 North Fifteenth street. Wm. J. Gruhler (C), 219 High street. Cost, \$400. Store and dwelling, alterations, 3101 North Fifteenth street.

R. & F. P. Jacobs (O), Broad and South streets. Lam Building Co. (C), 1001 Wood street. Cost, \$600. Store, alterations, 1403-5-7 South street.

Miss M. Blackstone (O), 229 South Forty-second street. Thomas (C), 611 South Forty-second street. Cost, 900. Rear addition, 229 South Forty-second street.

BUILDING INCREASE IN APRIL.

Sixty-one Structures Costing \$7,028,700 Go Up in Manhattan During the Month.

Building operations for Manhattan last month showed a considerable increase over the same month a year ago, according to the report by the statistician of the Building Bureau. During the month plans were filed for 61 new structures, to cost a total of \$7,028,700, as against 55 buildings in April, 1915, representing an aggregate cost of \$5,834,740. The increase is six in buildings and \$1,193,960 in the cost of new operations.

Among the 61 new structures were 18 apartment houses, costing \$1,935,000; eight store and loft structures, costing \$1,598,000; 10 private dwellings, costing \$693,200; seven amusement places, to cost \$993,500; one hospital, the Bellevue addition, to cost \$800,000, and four office buildings, costing \$615,500.

ROSES FOR AMATEURS.

Those who wish to plant roses and not bother with them more than to prune and fertilize annually and to keep the ground mellow about the plants should plant hybrid perpetual roses if located in a northern latitude; that is, north of Washington, D. C. The hybrid perpetuals are the most hardy roses and will stand more cold weather than any of the other species. There are many varieties, including the following particularly desirable specimens:

Anne de Diesbach.
Frau Karl Druschki.
George Ahrends.
Mrs. John Laing.
Ulrich Brunner.
Glorie de Chedane Guinoiseau.
Paul Neron.
Capt. Hayward.
Clio.
Eugene Furst.
George Dickson.
Prince Camille de Rohan.
Coquet des Alpes.
Earl of Dufferin.
J. B. Clark.

For sections of the country that are extremely cold it will be well to try some of the hybrid rugosa roses. While they retain the extreme hardness of the rugosa type in size, quality and fragrance the flowers rival some of the hybrid tea varieties, as well as in the constant blooming habit. These should prove of great value to gardeners in our cold Northwest, but Southern gardeners will also experience satisfaction with them. Some of the best are:

Amelie Gravereaux, red.
Blanche Double de Coubert, white.
Conrad F. Meyer, silvery pink.
Hansa, red.
Mme. Lucien Villeminot, pink.
Nova Zembla, flesh white.

Gardeners who consider themselves good gardeners delight in growing hybrid tea roses in the open ground, protecting the plants sufficiently to enable them to withstand the rigors of winter where they may be located. Those who have not tried it should start with a single plant or not more than a few, affording such protection in the autumn as seems necessary. In some gardens the practice is to bend the plants down to the ground and cover them with earth. Others tie them up carefully in straw, the plants remaining in an upright position. This is the general custom around New York City.

Generally on a parallel with Washington, D. C., hybrid tea roses need no winter protection.

The list of hybrid tea roses is too long to enumerate here. The last one seen always seems to be the most beautiful. Grow as many as possible.—New York "Sun."

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Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Automobiles.**
 Eastern Motors Corporation,
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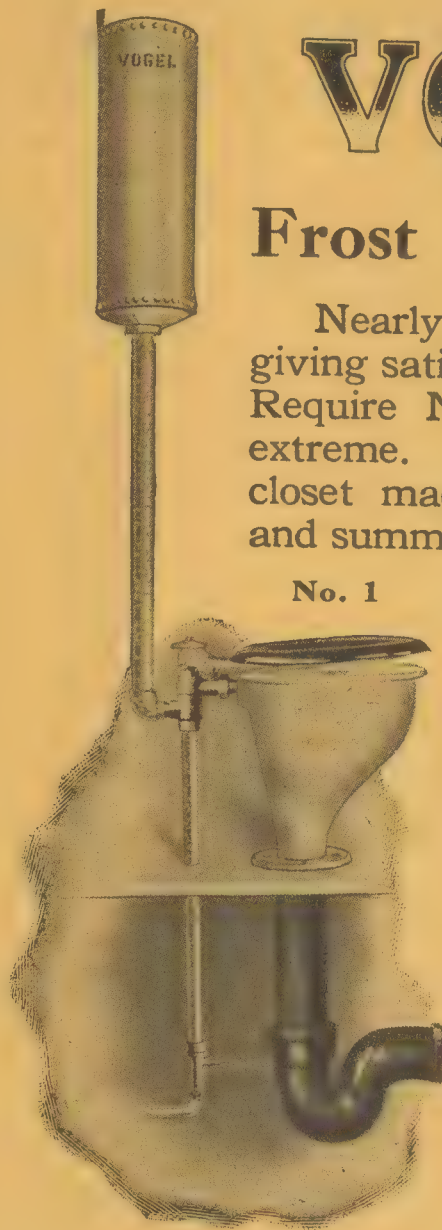


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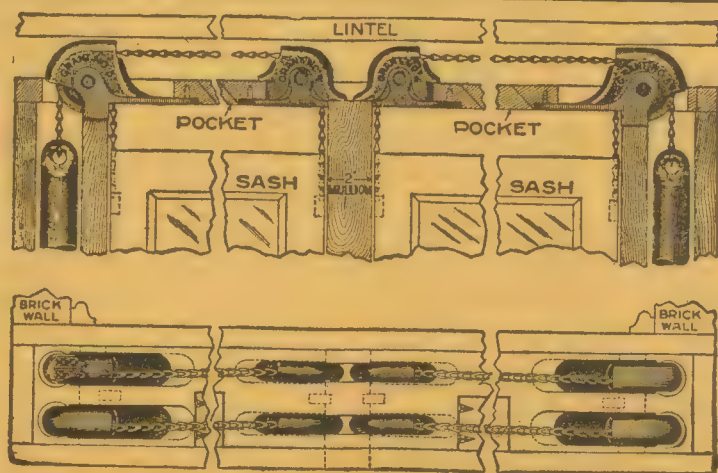
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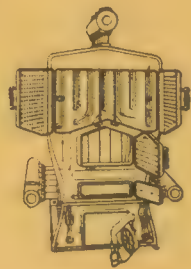
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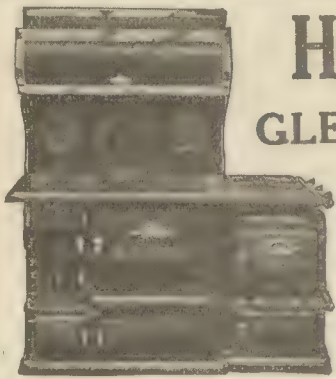
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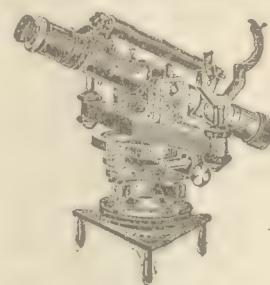
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Vol. XXXI, No. 20.

PHILADELPHIA, WEDNESDAY, MAY 17, 1916.

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Residence and Garage, Frankford, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Warren Allen, care architects. Brick, 2 stories, slate roof, electric lighting, tile work, hardwood floors (hot air heating reserved). Architects have received bids.

Home Building (alt. and add.), Thirty-fifth and Fairmount avenue. Architects, E. F. Durang & Son, 10 South Eighteenth street, Philadelphia. Owners, House of Good Shepherd, on premises. Consists of general interior alterations to kitchens and bake ovens. Architects have received bids.

Residences (5), Wayne avenue bet. Arbutus and Drinker streets, Germantown. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Robert M. Killough, Wayne avenue and Duval street, Germantown. Stone, 3 stories, 23x30 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors, garages in basements, cement work. Owner is taking sub-bids.

Sunday School, southwest corner Twenty-ninth and Lehigh avenue, Philadelphia. Architect, Armand D. Alcantara, 2962 North Bailey street. Owners, Calvary Reformed Church, Rev. F. H. Fisher, 2633 North Twenty-ninth street. Stone and brick, 2½ stories, 40x80 feet, slate roof, steam heating, electric lighting, tile work, dampproofing. Architect taking revised bids, due May 16th. Thomas C. Trafford, 1613 Sansom street; A. R. Raff Const. Co., 1635 Thompson street; E. E. Hollenbach, Inc., Fifteenth and Race streets; Henry P. Schneider, 3713 Old York road, and Koelle, Speth Co., Twenty-sixth and Thmop-streets, Philadelphia, are figuring.

Office Building, River road, Manayunk, Philadelphia. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Phila. Paper Mfg. Co., on premises. Brick, plastered, 2 stories, 45x56 feet, slate and slag roof, electric lighting, maple floors, office partitions, tile work (heating reserved). Architect has received bids.

Machine Shop, Nicetown, Philadelphia. Engineer, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Reinforced concrete, brick and steel, 1 story, 50x

500 feet, slag roof, blower system of heating, fire doors, steel sash (electric work reserved). Owners will take new bids in a few days for a 1-story building.

Parish House, High street, Germantown, \$25,000. Architect, Geo. Natress & Son, Twelfth and Walnut streets, Philadelphia. Owners, St. Michael's P. E. Church, Rev. Gilbert Pomber, 244 High street. Stone, 2½ stories, 38x103 feet, slate roof, pine floors, (heating and electric work reserved). Architect has received revised bids.

Store Building (alts.), 1626 Walnut street, Philadelphia. Architects, Marmaduke Tilden, Jr., and H. Lartel Register, 1713 Sansom st., Philadelphia. Owners, Robinson & Farr, 1513 Walnut street, Philadelphia. Brick, 4 stories, consists of new bulk windows and interior alterations, tin roof, metal lath, ornamental iron work (heating, electric work and painting reserved). Architects taking bids, due May 16th. The following are figuring: Elfreth & Co., 1706 Sansom street; A. Mac Tavish, 1513 Pine street; John Duncan, 920 Walnut street, Philadelphia.

Apartment House, northwest corner Thirtieth and Spruce streets, Philadelphia. Architects, Clinton & Russell, 32 Nassau st., New York City. Owner, John Stafford, 1112 Chestnut street, Philadelphia. Brick, stone, terra cotta and steel, 13 stories, 50x170 feet, slag roof, steam heating, electric lighting, elevators, tile and marble work, hardwood floors, ornamental iron work. Owner taking sub-bids.

Residence (alt. and add.), 1855 North Park avenue, Philadelphia. Architect, Frank E. Hahn, 1114 Chestnut street, Philadelphia. Owner, Charles A. White, 1928 North Park avenue, Philadelphia. Brick, 3 stories, hardwood floors, tile work, electric lighting. Architect taking bids, due May 17th. The following are figuring: Lam Building Co., 1001 Wood street; F. I. Wintz, 1618 North Twenty-seventh street; H. Reusswick, 137 N. Tenth street; Smith-Hardican Co., 1606 Cherry st.; A. Raymond Raff Construction Co., 1635 Thompson street, and Thomas Little & Sons, 1713 Moravian street, Philadelphia.

Dispensary Building, Powelton and Saunder

avenues. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Presbyterian Hospital, on premises. Brick, terra cotta, limestone, reinforced concrete and steel, fireproof, 6 stories, 100x45 feet, slag roof, Plenum system of heating, electric lighting, electric elevator, dumb-waiter, metal lath, ventilators, hollow tile partitions, ornamental iron, marble and tile work. Architect taking bids, due May 26h. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; Cramp & Co., Denckla Building; F. W. Van Loon, Denckla Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Hall Building, 751 to 755 South Nineteenth street, Philadelphia. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owners, United Order of Odd Fellows, on premises. Brick, stone trimmings, 1 story, 125x50 feet, Carey's roof, electric lighting, maple floors, roof ventilators, tile work (plumbing and heating reserved). Architects taking bids, due May 17th. Fidelity Construction Co., Heed Building, and Metzger & Fisher, Denckla Building, are figuring.

Store Building, Front and Dauphin streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Armin A. Frankel, on premises. Tapestry bricks and terra cotta, 3 stories, 40x110 feet, slag roof, metal lath, waterproofing, tile work, marble floors, ornamental iron work (heating, store fixtures reserved). Architects taking bids (revised), due May 17th. The following are figuring: James H. Wells, Heed Building; Geo. Hogg, 1634 Sansom street; Freund-Siedenbach Co., Bulletin Building; Lam Building Co., 1001 Wood street; F. A. Havens & Co., 845 North Nineteenth street; A. Raymond Raff Construction Co., 1635 Thompson street; Wm. R. Dougherty, 1610 Sansom street; G. J. Reich, 1112 Loudon street, Philadelphia.

Residence, Sixth street below Sixty-fourth avenue, Oak Lane, Philadelphia. Architect, Valentine B. Lee, 5503 North Eleventh street, Philadelphia. wner, I. B. Eltinge, Land Title Building, Philadelphia. Stone and frame, 2½ stories, 48x29 feet, slate roof, oak floors, tile work (heating and electric work reserved). Architect taking revised bids, due May 18th.

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The following are figuring: W. J. Kreitzburg, 1345 Arch street; C. E. Lloyd, Eighth and Sixty-sixth avenue, Oak Lane; Philip A. Waltz, 6610 North Seventh street, Philadelphia.

Church (alts.), Twenty-fifth and Brown sts. Architect, Wm. C. Klein, Jr., 1519 North Fifty-sixth street, Philadelphia. Owners, Emmanuel M. E. Church, Rev. B. F. Miller, 2506 Brown street. Consists of interior alterations. Architect taking bids, due May 18th. A. L. Fretz & Son, 1222 Chancellor st., are figuring.

Store Building, 1830-32 Market street, Philadelphia. Architects, Henon & Boyle, 10 South Twelfth street. Owner, name withheld. Brick and terra cotta, 2 stories, 40x176 feet, slag roof, gum wood floors, metal lath, fire doors, roof ventilators, metal frames, kalamine doors, dampproofing (heating, plumbing and electric work separate bids). Architects taking bids, due May 17th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; Warren, Moore & Co., Commercial Trust Building; A. Raymond Raff Construction Co., 1635 Thompson street; Cramp & Co., Denckla Building; Wm. Linker Co., 831 Cherry street; Conneen Construction Co., Commercial Trust Building.

Residence, Navahoe and Abington streets. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2 1/2 stories, 90x23 feet, shingle roof, oak floors, tile work (heating, plumbing and electric work separate bids). Architects taking bids, due May 22nd. The following are figuring: Henry L. Brown, 1714 Sansom street; Pringle Barthwick, 8018 Germantown avenue; Wolverton & Collins, 7930 Germantown avenue; I. A. Dunkelberger, 71 East Herman street; J. Sims Wilson Co., 1125 Brown street; W. John Stevens, Wyncote, Pa.

Garage, 3628 Walnut street. Architect, Clarence M. Bogia, 5833 Washington avenue, Philadelphia. Owner, William H. Beaver, 127 North Fifth street, Philadelphia. Brick, 1 story, 176x50 feet, slag roof, electric lighting, waterproofing, concrete floors (gasoline storage system and hot water heating reserved). Owner taking bids, due May 20th. H. H. Burrell, 206 South Quince street, is figuring.

Residence (alt. and add.), Chestnut Hill, Philadelphia. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, T.

Charlton Henry, Thirty-third and Moreland avenue. Brick, 2 1/2 stories. Consists of general interior and exterior alterations. Plans in progress.

Residence (alt. and add.), 2109 Walnut street. Architect, Charles Barton Keen, Bailey Building. Owner, Howard Reifsnnyder, 110 South Front street. Brick and stone, 4 stories, new heating system, electric lighting, plumbing. Plans in progress.

Dispensary Building, Powelton and Saunderson avenues. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Presbyterian Hospital, on premises. Brick, terra cotta, limestone, reinforced concrete and steel, fireproof, 6 stories, 109x45 feet, slag roof, Plenum system of heating, electric lighting, elevator, dumb waiter, metal lath, ventilators, hollow tile partitions, ornamental iron, marble and tile work. Architect taking bids, due May 26th. James H. Wells, Heed Building; Irwin & Leighton, Jacob Myers & Sons Co., Witherspoon Building; Cramp & Co., Denckla Building; F. W. Van Loon, Denckla Building; H. E. Batton, Twelfth and Sansom streets, are figuring.

Warehouse, 2406 to 2412 North Hope street, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Derbyshire Bros., 2418 North Front street, Philadelphia. Brick and reinforced concrete, 4 stories, 40x110 feet, slag roof, electric lighting, ornamental iron, steel sash, fire doors, elevator (heating reserved). Architects taking bids, due May 24th. The following are figuring: Lam Building Co., 1001 Wood street; H. H. Wehmeyer, 1004 Lehigh avenue; I. T. Shoemaker, 1324 Walnut street; Frank G. Stewart, 1619 Sansom street; Smith-Hardican Co., 1606 Cherry street; Hogg Construction Co., 1634 Sansom street; A. Raymond Raff Const. Co., 1635 Thompson street; Freund-Siedelbach Co., Bulletin Building, Philadelphia.

Rectory, Twenty-eighth and Diamond sts., Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Church of the Most Precious Blood, Rev. J. K. J. Kirlin. Brick, 3 stories, 40x48 feet and 32x16 feet, slate and tile roof, yellow pine floors, tile work (heating and electric work reserved). Wm. McShane, 417 South Thirteenth street, is taking sub-bids, due May 17th.

Department Store (add.), southwest corner of Eleventh and Girard streets, \$600,000. Ar-

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chitects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owner, Stephen Girard Estate, Lafayette Building, Philadelphia. Lessees, N. Snellenburg & Co., Eleventh and Market streets, Philadelphia. Brick, steel and concrete, 8 stories, 60x300 feet, composition roof, steam heating, electric lighting, elevators, metal sash. Plans about completed.

Builders, Wm. Steele & Sons Co., 1600 Arch street, will take sub-bids in about 3 weeks.

Parish House and Sunday School, Falls of Schuylkill, Philadelphia. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owner, St. James the Less P. E. Church, Rev. E. Ritchie, 3300 Clearfield street, Philadelphia. Brick and stone, 2 and 3 stories. Architects ready for bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Retaining Wall, Hunting Park avenue to Amsbury street. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal. Concrete, 1900 feet long. Contract awarded to James McGraw Co., Commercial Trust Building.

Warehouse (add., Wheatsheaf Lane and Gaul street. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, F. W. Tunnell & Co., 15 North Fifth street, Philadelphia. Consists of additional story on one story building, brick, 192x40 feet, slag roof, roof ventilator, fire doors, maple floors (heating and electric work reserved). Contract awarded to W. G. Springer, 1624 Latimer street, Philadelphia.

Garage, 6809 and 6811 Greenway avenue. Architect, private plans. Owner, Robert McAllister, 36 North Delaware avenue, Philadelphia. Brick, 1 story, 40x160 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to Clayton Lofland, Race and Water streets, Philadelphia.

Bungalow, Roxborough Philadelphia. Architect, J. Oliver Potts, Glenside, Pa. Owner, George Flint, 5708 Ridge avenue, Philadelphia. Stone, 2 stories, 48x60 feet, tile roof, steam heating, electric lighting, tile work, hardwood floors. Contract awarded to Wm. H. Eddleman & Son, 453 Green lane, Roxborough, Philadelphia.

Residence (alt. and add.) and **Garage**, Hortter street and Wissahickon avenue, Philadelphia. Architect, Wm. H. Cookman, 420 W. Price street, Germantown. Owner, Samuel M. Clement, Jr., West End Trust Building. Stone, 2½ stories, consists of general alterations and new garage, slate roof and hot water heating. Contract awarded to Fred Elvidge & Son, 5522 Germantown avenue.

Recreation Building, Carpenter street near Front street, \$23,000. Architect, Philip H.

Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, 587 City Hall. Brick, 1 story, 47x41 feet, asbestos shingle, slate and slag roof, metal lath, roof ventilators, iron fences (plumbing, heating and electric work separate bids). Contract awarded to P. M. Sax, Heed Building.

Warehouse, 124-126 North Second street, Philadelphia. Engineers, Frank C. Roberts & Co., Real Estate Trust Building, Philadelphia. Owners, C. B. Porter Co., 128 North Twenty-eighth street, Philadelphia. Reinforced concrete, brick and terra cotta, 5 stories, 25x153 feet, slag roof, maple floors, electric elevator, safety treads, metal sash, fire doors (electric and heating work reserved). Contract awarded to Stewart Bros., 2526 North Orkney st., Philadelphia.

Church and Sunday School, Twentieth and Parrish streets, Philadelphia. Architect, Jacob Nasehold, 210 New street, Philadelphia. Owners, Trinity Norwegian Evangelical Lutheran Church, Twentieth and Parrish streets. Stone, 1 story, 32x62 feet, slate roof, steam heating, electric lighting. Contract awarded to Thomas C. Trafford, 1613 Sansom street.

Power House, Holmesburg, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Summerdale Dyeing, Printing and Finishing Works, Inc., Holmesburg, Philadelphia. Brick and steel, 1 story, 72x46 feet, slag roof, metal sash, fire doors, roof ventilators, proposal bond (heating and electric work reserved). Contract awarded to Hogg Construction Co., 1634 Sansom street.

Store Building (remodeling), 1108 Chestnut street, \$30,000. Architect, private plans. Owners, H. A. Weymann & Co., 1010 Chestnut street. Brick and terra cotta, 5 stories, slag roof, hot water heating, electric lighting. Con-

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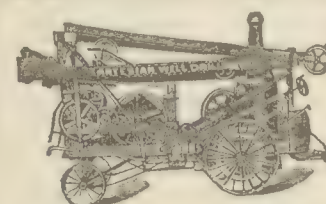
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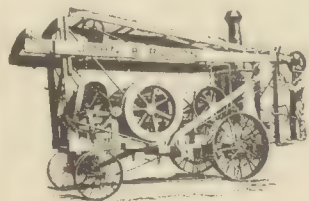
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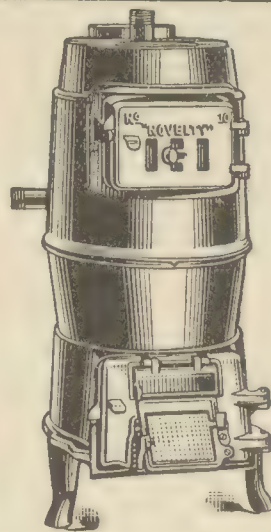
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EXHIBIT AT
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tract awarded to Harry R. Rust, 724 Ludlow street.

Store and Office Building, northwest corner of Fifteenth and Walnut streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Albert S. Marks, 210 South Fifth street, Philadelphia. Reinforced concrete, brick and terra cotta, 5 stories, 24x118 feet, slag roof, steam heating, electric lighting, tile work, waterproofing and dampproofing, maple and oak floors, electric elevator, iron stairs, safety treads, kalamein doors, roof ventilators, fire doors (office partitions reserved). Contract awarded to I. T. Shoemaker, 1324 Walnut street, Philadelphia.

Residence (alts.), 1602 Diamond street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Abram L. Asher, 1906 Erie avenue, Philadelphia. Brick, 3 stories. Consists of interior alterations, electric lighting, tile work, oak floors. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Stable and Garage, 421-3423 Market street, Philadelphia. Architect, Charles H. Caspar, 925 Chestnut street, Philadelphia. Owner, Harry Supplee, Supplee Alderney Dairy, 1118 Jefferson street. Reinforced concrete, brick and terra cotta; stable, 2 stories, 48x144 feet; garage, 1 story, 50x119 feet, slag roof, waterproofing, fire doors, ventilators, steel sash (heating reserved). Architect will sub-let all contracts.

Building (alt. and add.), 525 South Sixth street, Philadelphia, \$2,500. Architect, private plans. Owner, Mrs. Caroline Levi, on premises. Brick, 2 stories, rear addition. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Machine Shop, Nicetown, Philadelphia, \$320,000. Architect, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Reinforced concrete, brick and steel, 1 story, 217x542 feet, slag roof, metal sash, electric lighting. Contract awarded to Barclay White & Co., Perry Building, Philadelphia.

PENNSYLVANIA Construction News

Residence (alt. and add.), Trooper, Pa. Architects, Savery, Scheetz, Stephen Girard Building, Philadelphia. Owner, Clayton L. Brown, Morristown, Pa. Frame, 2½ stories, shingle roof, hot water heating, electric lighting. Architects taking bids, due May 15th. The following are figuring: Elmer S. Poley, Trappe, Pa.; Geo. L. Croll, Radnor, Pa.; Frank R. Heavner, Norristown, Pa.; Albert Shoemaker, Jeffersonville, Pa.

Residence, Merion, Pa., \$15,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, E. J. Heddep, Finance Building, Philadelphia. Brick and plaster, 2½ stories, 60x37 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Owner taking sub-bids, due May 13th.

Residence and Garage, Holidaysburg, Pa., \$25,000. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, R. J. Fay, Altoona, Pa. Stone, 2½ stories, 55x34 feet, wing 26x20 feet; garage, 2 stor-

ies, 20x24 feet, slate roofs, hot water heating, electric lighting, oak floors, tile work (sewage disposal plant reserved). Owner is taking bids.

Residence, Wayne, Pa. Architect, George S. Idell, 34 South Seventeenth street, Philadelphia. Owner's name withheld. Stone, 2½ stories, 32x62 feet, slate roof, warm air or hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architect will take bids in about one week.

Residence and Garage, Whitmarsh Pa. Architects, Brockie & Hasting, 1713 Sansom street, Philadelphia. Owner, Dr. Edward B. Krumbhaar, W. Mermaid lane, Chestnut Hill. Stone, 2½ stories; residence, 90x32 feet; garage, 39x22 feet, shingle roofs, warm air heating, oak floors, tile work, electric lighting. Architects taking bids, due May 16th. The following are figuring: J. P. Thompson, Real Estate Trust Building; Geo. S. Roth & Sons, 230 E. Gravers lane; J. Sims Wilson Co., 1125

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Brown street; Specht & Sperry, Heed Building; H. H. Burrell, 206 S. Quince street; Wm. J. Gruhler Co., 219 E. High street.

Passenger Station, Coatesville, Pa. Engineer, A. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Brick and stucco, 2 stories, slate roof, steam heating, electric lighting, tile and marble work. Owners taking bids, due May 17th. Metzger & Fisher, Denckla Building; Specht & Sperry, Heed Building; Irwin & Leighton, 136 South Twelfth street, and Henry E. Baton, Twelfth and Sansom street, all of Philadelphia, are figuring.

Garage, Pittsburgh, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, C. D. Marshall, Oliver Building, Pittsburgh, Pa. Stone, brick and plaster, 2 stories, 41x26 feet, tile roof, hot water heating (natural gas). Owner is taking bids. Thomas M. Seeds, 1207 Race street, is figuring.

Garage, Pittsburgh, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, J. P. Byrnes, Farmers Bank Building, Pittsburgh, Pa. Hollow tile, 1½ stories, shingle roof, hot water heating (natural gas). Owner is taking bids. Thomas M. Seeds, 1207 Race street, Philadelphia, is figuring.

Residence and Garage (remodeling), Merion, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Charles P. Vaughan, 5911 Overbrook avenue, Philadelphia. Brick, plastered, 2½ stories, 50x50x60 feet, tile roofs, vapor heating, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in three or four weeks.

Farm Buildings, Bryn Mawr, Pa. Architects, Chas. Willing & Furnes Evans & Co., Provident Building. Owner, Edgar B. Howard, Bryn Mawr, Pa. Brick, frame and plaster, 1 and 2 stories, 22x59 feet, 21x76 feet, and 30x80 feet, shingle or slate roofs, dampproofing, hollow tile, pine and cement floors (heating, plumbing and electric work separate bids). Architects taking bids, due May 18th. Wm. R. Dougherty, 1610 Sansom street, and E. J. Hedden, Finance Building, are figuring.

Residence (alt. and add.), Wyncote, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Thomas E. Brown, Wyncote, Pa. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architects will take bids in a few days.

Golf Club House, Ardmore, near P. & W. RR. Station. Architect, D. E. Boyd, Fifteenth and Walnut streets, Philadelphia. Owners, Golf Association, Merion Cricket Club, on premises. Consists of general alterations and additions. Architect has received bids.

Residence (add.), Radnor, Pa. Architect, Louis H. Bush, 130 South Fifteenth street, Philadelphia. Owner, Benjamin Chew, Radnor, Pa. Hollow tile and stucco, 2½ stories, 48x25 feet, tin roof (heating, plumbing, electric work, tile work and cabinet work reserved). Architect taking bids, due May 17th. The following are figuring: Wm. J. Gruhler Co., 219 E. High street; Thomas M. Seeds, Jr., Co., 1207 Race street, Philadelphia;

F. H. Mahan, Ardmore, Pa.; J. D. Lengel, Wayne, Pa.

Church, Sunday School and Parsonage, Palmerton, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Trinity United Evangelical Lutheran Church, Rev. D. R. Hart, Palmerton, Pa. Brick, stone trimmings, 1 and 2 stories, 75x101 feet, slate, Carey's or asbestos slate roofs, vapor and steam heating, electric lighting, pine floors, metal lath. Architect taking bids, due May 23d. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

Barn, Valley Forge, Pa. Architect, H. G. McMurtic, 1012 Walnut street, Philadelphia. Owner, John R. K. Scott, Morris Building, Philadelphia. Stone and frame, 2 stories, 40 x100 feet, wing 35x60 feet, shingle roof, electric lighting, cement floors, metal lath. Architect is ready for sub-bids on all lines.

Waiting Room and Post Office, Haverford, Pa. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Brick, 2 stories, 62x26 feet, slate roof, steam heating, electric lighting, metal lath. Owners taking bids, due May 23d. Roydhouse-Arey Co., Fidelity Building, and Jacob Myers & Sons Co., Witherspoon Building, Philadelphia, are figuring.

Apartment House, Scranton, Pa., \$13,000. Architect, J. J. Feeney, Coal Exchange Building, Scranton, Pa. Owner, Mrs. Thomas Jordan, 1602 Capouse avenue, Scranton, Pa. Frame and stucco, 3 stories, 35x65 feet, slag roof, steam heating, electric lighting. Architect taking bids, due June 1st. Broag Bros., Stender Bros., F. J. Peck & Co., M. Judge, James Diland, T. Corney, Hagen Lumber Co., all of Scranton, Pa., are figuring.

Church, Taylor avenue and Gibson street, Trenton, N. J., \$50,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, R. C. Church, care of Rev. Michael J. Hoban, Bishop, Scranton. Stone, brick and steel, 1½ stories, 60x130 feet, slate roof, steam heating, electric lighting, waterproofing. Architect taking bids, due June 1st. The following are figuring: M. J. Ruddy, Columbo & Kroft, Peter Stipp & Bro., H. Bealmore & Son, and L. Caputo, all of Scranton, Pa.

Apartment, 400 block, Arthur avenue, Scranton, Pa., \$10,000. Architect, John B. Thomson, 717 Connell Building, Scranton, Pa. Owner, George Nober, Scranton, Pa. Frame and stucco, 2 stories, 35x56 feet, shingle roof, steam heating, electric lighting, metal lath. Architect has received bids.

High School, Kingston, Pa., \$150,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Board of Education, Kingston, Pa. Brick, steel and terra cotta, 3 stories, 134x66 feet. Auditorium, 50x55 feet, slag roof, hot air heating, electric lighting, composition and maple floors, waterproofing and dampproofing, ventilators, metal lockers, safety treads. Plans in progress.

Church and Sunday School, Sunbury, Pa., \$50,000. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owner, Sunbury M. E. Church, Rev. J. H. Dougherty, Sunbury, Pa. Brick and terra cotta or stone, 70x130 feet, slate roof, hot water heating, electric lighting, waterproofing. Plans in progress.

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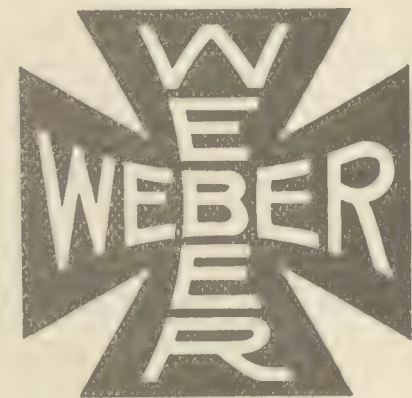
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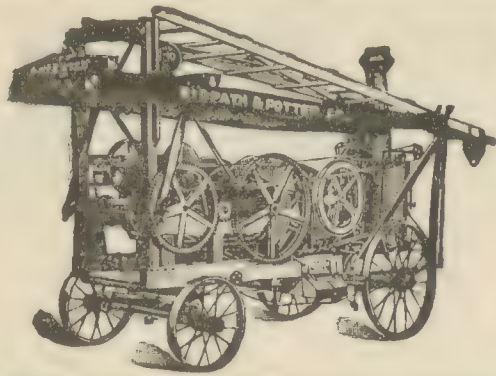
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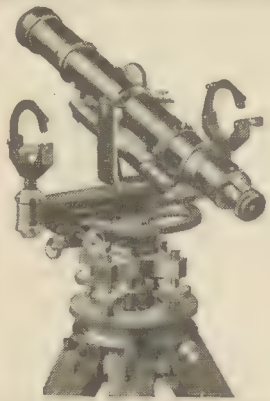


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Residence (alt. and add.), Wilkes-Barre, Pa., \$8,000. Architects, Neuberry & Foster, Wilkes-Barre, Pa. Owner, Miss Jessie Lentz, South Franklin street, Wilkes-Barre. Hollow tile and stucco, 2 stories, 34x36 feet, slag roof, steam heating, electric lighting, hardwood floors, waterproofing. Plans in progress.

School (add.), Dorranceton Borough, Pa., \$10,000. Architect, J. S. Pettobone, Wilkes-Barre, Pa. Owners, School District, W. G. Shortz, Dorranceton, Pa. Brick, 2 stories, 34x50 feet, slate roof, hot air heating, electric lighting. Plans in progress.

High School (add.), Luzerne, Pa., \$35,000. Architect, J. S. Pettobone, Wilkes-Barre, Pa. Owners, School District, care of T. B. Wolk, Luzerne Borough. Brick, 2 stories, 70x110 feet, slate roof, hot air heating, electric lighting. Ready for bids May 17th.

Hotel, Wilkes-Barre, Pa., \$12,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Andrew Yatko, Wilkes-Barre, Pa. Brick, 3 stories, 25x65 feet, slag roof, steam heating, electric lighting, waterproofing. Plans in progress.

Printing Plant (add.), Scranton, Pa., \$20,000. Architects, Davey & Crowthers, Coal Exchange Building, Scranton, Pa. Owner, name withheld. Brick and steel, 4 stories, 50x75 feet, reinforced concrete and slag roof, steam heating, reinforced concrete floors. Plans about completed. Will take bids in one week.

Store Front, Lackawanna avenue, Scranton, Pa. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, J. M. Tomke, 432 Lackawanna avenue, Scranton. Plate glass and copper, 4 stories. Plans in progress.

Residence, Sewickley, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, George E. McCague, Farmers Bank Building, Pittsburgh, Pa. Hollow tile and plaster, 2½ stories, 30x50 feet; wing, 20x30 feet, shingle roof, hardwood floors, tile work (heating, plumbing, electric work separate bids). Plans in progress.

Bank and Office Building, Chester, Pa.,

\$150,000. Architects, Mowbray & Uffinger, 66 Liberty street, New York City. Owners, Delaware County Trust, Safe Deposit and Title Insurance Co., Third and Market sts., Chester, Pa. Brick, concrete, stone, terra cotta and steel, fireproof, 6 stories, 49x112 feet, composition roof, tile and marble work, electric lighting, elevator, steam heating. Architects taking bids, due May 24th. Pomeroy Construction Co., 1609 Ranstead street, Philadelphia, is figuring.

Store and Apartment, Main and High sts., Taylor, Pa., \$8,000. Architects, J. B. Thomson, Connell Building, Scranton, Pa. Owner, Chas. C. Kollerman, Scranton, Pa. Frame and stucco, 2 stories, 38x63 feet, slag roof, steam heating, electric lighting, maple floors, waterproofing, dampproofing. Plans in progress.

Church, Fifth avenue and Broadway, Scranton, Pa. Architects, Hancock & Koch, Coal Exchange Building, Scranton, Pa. Owners, Holy Cross R. C. Church, care architects. Fisk tapestry brick, stone and steel, 1½ stories, 136x42 feet, slate roof, steam heating, electric lighting, tile, reinforced concrete and hardwood floors, metal lath, dampproofing, 2 towers 100 feet high. Architects have received bids.

Garage, Wilkes Barre, Pa. Architects, Knapp & Bosworth, Wilkes Barre, Pa. Owner, Henry Shapiro, Wilkes Barre, Pa. Brick, 1 story, 24x20 feet, slag roof, hot water heating, electric lighting, cement floors, waterproofing. Architect taking bids, due May 21st.

School, Forty Fort, Pa., \$35,000. Architects, Newberry & Foster, Wilkes Barre, Pa. Owners, Board of Education, Chas. P. Crosley, Secretary, Wilkes Barre. Terra cotta trimmings, brick, steel and hollow tile, reinforced concrete, 2½ stories, 68x79 feet, slag roof, blower system of heating, electric lighting, reinforced concrete floors, metal lath, dampproofing, iron stairs, ventilators, safety treads. Owners taking bids, due May 22d, at 8 P. M. The following are figuring: Bonham & Tracy, Forty Fort, Pa.; D. M. Litz,

Forty Fort, Pa.; E. J. Donohue, Ashley, Pa.; James Monks, Kingston, Pa.; and Otto Behrens, Herman Milander, W. B. Richards, Curtis & Co., Luther Roth, Francis Mellon, Wilson J. Smith, E. T. Long, I. M. Leach, Walborn & Barney, all of Wilkes Barre, Pa.

Knitting Mills (add.), Pittston, Pa., \$16,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre, Pa. Owners, Alpine Knitting Mills, John H. Fow, Pittston, Pa. Brick and steel, 3 stories, 50x82 feet, slag roof, steam heating, electric lighting, fire tower, metal sash, kalamein doors. Owner taking bids, due May 20th. The following are figuring: Robert English, Pittston, Pa.; Eckenrode Bros., Kehoe & Mowery, and A. Hildebrandt, all of Wilkes Barre, Pa.

Residence and Store, Wilkes Barre, Pa., \$5,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre, Pa. Owner, Andrew Hudak, Wilkes Barre, Pa. Brick, 2 stories, 20x60 feet, slag roof, steam heating, electric lighting. Architect taking bids, due May 26th. The following are figuring: Eckenrode Bros., Abe Thomas, M. L. Roth, Kehoe & Mowery and A. Hildebrandt, all of Wilkes Barre, Pa.

Schools, Chester, Pa., \$500,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of George Mitchell, chairman, Chester, Pa. Brick and stone, 2 and 3 stories. Consists of several elementary schools and an addition to the High School. Architect selected. Plans about to be started. Details not yet decided.

High School, Ridley Park, Pa., \$80,000. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, Board of Education, Ridley Park, Pa. Brick and stone, 3 stories. Details not yet decided. Plans will soon be started.

Bank and Office Building, Chester, Pa., \$150,000. Architects, Mowbray & Uffinger, 66 Liberty street, New York City. Owners, Delaware County Trust, Safe Deposit and Insurance Co., Chester, Pa. Brick, granite, marble, terra cotta and steel, fireproof, 8 stories, 62x163 feet, Barrett's roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing, hollow tile, fireproofing, ornamental iron, marble and tile work, metal sash, yellow pine floors. Owners taking bids, due May 24th at 11 A. M. Warren, Moore & Co., Commercial Trust Building; Cramp & Co., Denckla Building; Roydhouse-Arey Co., Fidelity Building; Pomeroy Construction Co., 1609 Ranstead street, Philadelphia, are figuring.

Church and Parochial School, Harrisburg, Pa., \$55,000. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Lawrence R. C. Church, Harrisburg, Pa. Stone, 1 and 2 stories, 115x60 feet and 40x60 feet, slate roof, electric lighting, metal lath (heating reserved). Architect taking bids, due May 26th. The following are figuring: William R. Dougherty, 1610 Sansom street; Frank J. Colgan, 2205 North Broad street, Philadelphia; Stapf & Bonfer, Harrisburg, Pa.

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DART UNIONS

PENNSYLVANIA

Contracts Awarded

Factory, Kingston, Pa. Architects, Sturdevant & Poggi, Wilkes Barre, Pa. Owners, Adder Machine Co., Kingston, Pa. Brick and steel, 2 stories, 98x115 feet, slag and asbestos roof (steam heating and electric lighting reserved), steel sash, elevators, fire doors, iron stairs. Contract awarded to Curtis & Co., Wilkes Barre, Pa.

Lumber Sheds, Wilkes Barre, Pa. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes Barre. Owners, Lehigh & Wilkes Barre Coal Co., Wilkes Barre, Pa. Corrugated iron, 2 stories, 30x300 feet. Contract awarded to Turner & Van Sooy Co., Wilkes Barre, Pa.

Store and Apartments, Hazleton, Pa., \$13,500. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes Barre, Pa. Owner, Dr. A. C. Fos, Hazleton, Pa. Brick, 3 stories, 30x66 feet, slag roof, steam heating, electric lighting, hardwood and tile floors, metal ceilings. Contract awarded to Hugh Campbell, Hazleton, Pa.

High School, Carbondale Heights, Pa., \$150,000. Architect, Owne McGlynn, Simon-Long Building, Wilkes Barre, Pa. Owners, Board of Education, Carbondale, Pa. Brick, 3 stories, slate and composition roof, steam heating, electric lighting, metal lath. Contract awarded to Hewman Milander, Wilkes Barre, Pa.

Residence (alt. and add.), Scranton, Pa., \$4,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owner, F. F. Hendrickson, 1724 Sanderson avenue, Scranton, Pa. Brick veneer, 2 stories, 12x32 feet, slag roof, steam heating, electric lighting, hardwood floors. Contract awarded to B. Tranger Sons, Scranton, Pa.

Residence, Scranton, Pa. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Henry Brown, Scranton, Pa. Frame and stucco, 2½ stories, 28x44 feet, asbestos roof, steam heating, electric lighting, tile and hardwood floors. Contract awarded to Hagon Lumber Co., Hickory and Mattis, streets, Scranton, Pa.

School Building, Northampton Heights, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Geo. E. Borman, Secretary, South Bethlehem, Pa. Brick, stone trimmings, 2 stories, 120x69 feet, slate and asbestos roof, metal lath, dampproofing, safety treads, reinforced concrete floors, roof ventilators, kalamein doors, pine floors (heating, plumbing and electric work separate bids). Contract awarded to the Shamokin Lumber Co., Shamokin, Pa.

Cottage, Haverford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, name withheld. Frame, 2 stories, 30x23 feet, shingle roof, hot air heating, electric lighting, yellow pine floors. Contract awarded to Charles Vaughn, Gladwyne, Pa.

Residences (2), Rydal, Pa., \$35,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, name withheld. Stone, 2½ stories, 61x36 feet and 77x33 feet, shingle roofs, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Harry Murphy, Willow Grove, Pa.

Residence, Haverford, Pa., \$25,000. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Lawrence D. Beggs, Ardmore, Pa. Brick, plastered, 2½ stories, 99x37 feet, slate or shingle roof, vapor heating, electric lighting, tile work, oak floors, metal weatherstrips. Contract awarded to Graham-Campion Co., Heed Building, Philadelphia.

Bank (alts.), Ridley Park, Pa. Architect, private plans. Owners, Ridley Park National Bank, Ridley Park, Pa. Brick, 1 story, electric lighting, composition floors, bank fixtures. Contract awarded to Pomeroy Construction Co., 1609 Ranstead street, Philadelphia.

Store Buildings (3), Chester, Pa. Architect, Paul A. Davis, 3rd. 1713 Sansom street, Philadelphia. Owners, H. M. McCoy, Spencer Stationery Co., and Sweeney & Clyde, Chester, Pa. Brick and terra cotta, 2 stories, 64x90 feet, slag roof, vapor heating, electric lighting, pine floors, waterproofing, tile and marble work, roof ventilators, composition floors. Contract awarded to J. Irvin Taylor, Chester, Pa.

Church, Malvern, Pa., \$30,000. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Patrick's R. C. Church, Rev. John H. Martin, Malvern, Pa. Stone, 1 story, 49x112 feet, tile roof, electric lighting, pine floors (heating reserved). Contract awarded to Joseph H. Maguire, Wayne, Pa.

Shop Buildings, Coatesville, Pa., \$300,000. Architect, private plans. Owners, Worth Bus Co., Widener Building, Philadelphia. Brick, steel and reinforced concrete. Machine shop, 326x132 feet; blacksmith shop, 134x75 feet; yard runway, 280x75 feet; slag roof, metal lath, roof ventilators, fire doors, steel stairs, steel sash (heating and electric work reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Owners, N. J. State Hospital for Feeble-Minded, Vineland, N. J. Consists of general repairs. Owners taking bids, due May 12th.

School (add.), Cinnamirson, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Friends School, Cinnamirson, N. J. Stone and brick, plastered, 1 story, 28x25 feet and 25x25 feet, slate roof, hot air heating, electric lighting. Architects taking bids, due May 22d. The following are figuring: Geo. T. Shaner, Palmyra, N. J.; J. S. Rogers Co., Mooresown, N. J.; Stewart L. Maines, Moorestown, N. J., and Geo. S. Bachmann, 19 North Thirtieth street, Camden, N. J.

Machine Shop, Plainfield, N. J. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Niles Bement Pond Co., 111 Broadway, New York City. Reinforced concrete, 1 story, 215x72 feet, asbestos roof, wood block flooring, metal doors and sash (heating, electric work and sprinklers reserved). Architects taking bids, due May 23d. The following are figuring: R. C. Ballinger & Co., 216 North Thirteenth street; Fidelity Construction Co., Heed Building; George & Borst, 277 South Eleventh street; H. E. Baton, Twelfth and Sansom streets, all of Philadelphia; David Henry Building Co., Ordway Building; H. E. Doremus Co., 36 Orange street; Frederick Kilgus, Inc., 13 South Sixth street; E. N. Waldron Co., 34 South Sixth street; Edward M. Waldron, 267 Market street; James E. Robinson, 351 Elm street, all of Newark, N. J.; Levering & Garrigues Co., 552 W. Twenty-third street; R. H. Howes Const. Co., 105 W. Fortieth street; Wells Bros. Co., 33 W. Forty-second street, all of New York City; and Flynt Construction Co., Palmer, Mass.

Hotel, Atlantic City, N. J., \$60,000. Architect, J. R. Ogden, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 6 stories, 150x75 feet, slag roof, steam heating, electric lighting. Plans in progress.

Apartment and Stores (2), Atlantic City, N. J., \$18,000. Architect, J. R. Ogden, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 3 stories, 35x70 feet, slag roof, hot water heating, gas lighting. Plans in progress.

Factory, Hammonton, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, T. F. Baulig, Egg Harbor, N. J. Brick and steel, 2 stories, 46x243 feet, slag roof, steam heating, electric lighting, cement and wood floors, metal sash. Owner is sub-letting all contracts.

Residence, Atlantic City, N. J., \$3,000. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City. Owner, Chas. Naplan, 319 Heed Building, Philadelphia. Brick, 3 stories, 32x88 feet, slag roof, hot water heating, gas lighting. Owner is taking bids.

Cottage, Stone Harbor, N. J. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Mrs. S. K. Boniface, Stone Harbor, N. J. Frame and stucco, 2 stories, 18x38 feet, shingle roof. Owner will take bids.

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NEW JERSEY

Construction News

Stores (3), Pennsgrove, N. J. Architect, Wm. Lowenthal, 1803 Chestnut street, Philadelphia. Owner, Alpine Lucas, Pennsgrove, N. J. Frame, 1 story, 16x50 feet each, composition roofs, electric lighting. Plans completed. Owner ready for sub-bids.

Store and Apartment (alt. and add.), Market street, Trenton, N. J. Architect, W. B. Thines, Commonwealth Building, Trenton, N. J. Owner, J. Klompner, Trenton, N. J. Brick and stucco, 3 stories, 40x87 feet, slag roof, hot water heating, combination lighting, maple floors. Plans in progress.

Laundry (add.), Trenton, N. J., \$1,500. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State Home for Girls, care Mrs. Mansell, Trenton, N. J. Brick, 1 story, 15x28 feet, slag roof, steam heating, electric lighting, composition floors, hollow tile ceilings. Architect taking bids, due May 19th. The following are figuring: Stephen Dickriet, Trenton, N. J.; Elmer H. Stout, Trenton, N. J.; and Thos. J. Brady, Jr., Construction Co., 1170 Broadway, New York City.

Institute (alts.), Vineland, N. J. Architect, Geo. S. Drew, State Capitol, Trenton, N. J.

NEW JERSEY

Contracts Awarded

Garage (add.), Trenton, N. J. Architect, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, John L. Brock, Canal above State street, Trenton, N. J. Brick, 3 stories, 42x53 feet, slag roof, steam heating, electric lighting, cement floors, wire lath, waterproofing and dampproofing. Contract awarded to Wm. I. Clayton, Trenton, N. J.

Normal School (alt.), Trenton, N. J., \$5,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, N. J. State Normal School, Trenton, N. J. Consists of interior alterations. Contract awarded to H. M. Levy, Trenton, N. J.

Cigar Factory, Perth Amboy, N. J. Architect, E. Allen Wallace, 1206 Chestnut street, Philadelphia. Owners, Bayuk Bros. Co., Third and Spruce street, Philadelphia. Brick, 4 stories, 80x100 feet, slag roof, steam heating, electric lighting, elevators, waterproofing. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Factory, New Brunswick, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Newkrast Co., New Brunswick, N. J. Reinforced concrete and brick, 1 story at present time, slag roof, electric lighting. Contract awarded to Turner Const. Co., 11 Broadway, New York City.

Miscellaneous Construction News

Theatre and Office Building Providence, R. I. Architect, A. E. Westover, 1116 Chestnut street, Philadelphia. Owner, E. F. Albee, Providence, R. I. Brick, stone, terra cotta, steel and reinforced concrete, 6 stories, composition roof, hollow tile fireproofing, wire lath, fire escapes, roof ventilators, kalamein doors, safety treads, tile and marble work (heating, electric lighting and elevators reserved). Architect taking bids, due May 20th. Irwin & Leighton, 136 North Twelfth street, Philadelphia, are figuring.

Apartment and Stores, Wilmington, Del., \$30,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington. Owner, name withheld. Brick, terra cotta and steel, 4 stories, 30x70 feet, slag roof, steam heating, electric lighting, tile and hardwood floors, waterproofing. Architect taking bids, due May 12th. The following are figuring: A. S. Read & Bros. Co., H. P. Carlin, C. H. Titnall & Son, Chas. J. Dougherty, Alfred Downward, and John E. Healy & Son, all of Wilmington, Del.

Bank Building, Bridgeport, Conn. Architect, Cass Gilbert, 11 E. Twenty-fourth street, New York City. Owners, Bridgeport Savings Bank, Bridgeport, Conn. Brick and terra cotta, concrete floors, 1 story, 75x64 feet, wing 13x63 feet, copper roof, steam heating, electric lighting, waterproofing and dampproofing, metal lath, ventilators, electric elevator, marble work. Architect taking bids, due June 3d. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Y. M. C. A. Building, Cincinnati, Ohio. Architects, Elzner & Anderson, Cincinnati, Ohio. Owners, Y. M. C. A., Cincinnati, Ohio. Reinforced concrete, brick, limestone and steel, 9 stories, 172x100 feet, asbestos roof, metal lath, waterproofing and dampproofing, iron stairs, metal sash, tile and marble work, elevators (electric), maple floors (heating and electric work separate bids). Architects taking bids, due May 27th at noon. Charles McCaul Co., 1713 Sansom street, Philadelphia, are figuring.

Miscellaneous Contracts Awarded

Hospital, Farnhurst, Del., \$60,000. Architect, Leon Wilde Crawford, Odd Fellows Temple, Wilmington. Owners, Delaware State Hospital, Dover, Del. Brick, 3 stories, slate roof, steam heating, electric lighting. Contract awarded to Metzger & Fisher, Denckla

Building, Philadelphia.

Garage, Wilmington, Del., \$13,000. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, Wm. Coyne, Wilmington, Del. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

MARYLAND

Construction News

Apartment House, University Parkway and Roland avenue, Baltimore, \$85,000. Architect, Edw. L. Palmer, Munsey Building, Baltimore. Owners, Kensington Apartment Co., care Howell H. Thomas, Calvert Building, Baltimore. Brick, 4 stories, slate roof, steam heating, electric lighting, tile work. Plans in progress.

Dwelling, Bishop road, Guilford, Md., \$20,000. Architects, Ellicott & Emmart, Union

Trust Building, Baltimore, Md. Owner, Wm. Pepper Constable, 700 Maryland Trust Building, Baltimore, Md. Brick, 2½ stories, slate roof, hot water heating, electric lighting, tile work, plumbing. Plans in progress.

Residence, Guilford, Md. Architect, Edw. L. Palmer, Munsey Building, Baltimore, Md. Owners, Ernst Schmeiser, Maryland Casualty Tower, Baltimore, Md. Brick, 2½ stories, slate roof, heating not decided, combination

lighting, tile walls, hardwood floors. Architect ready for bids.

Lodge Building and Store, Charles and Preston streets, Baltimore, Md., \$175,000. Architect, Cyde N. Friz, Munsey Building, Baltimore, Md. Owners, Knights of Pythias, care Richard Laws Lee, 232 St. Paul street, Baltimore. Brick, stone and terra cotta, 5 stories, 85x150 feet, roof not decided, steam heating, electric lighting, elevator. Plans in progress.

Factory Building, Montebella avenue and Twenty-fifth street, Baltimore, Md. Architect, private plans. Owners, Linde Air Products Co., Forty-second Street Building, New York City. Brick, steel and concrete, 1 story, 100x125 feet, concrete and slag roof, electric lighting, concrete floors, metal lath and sash. Owners taking bids, due May 23d. The following are figuring: S. F. Bennett Building Co., 123 S. Howard street; Price Const. Co., Maryland Trust Building; West Construction Co., 218 E. Lexington street, all of Baltimore, Md.

Office Building (add.), foot of Fort avenue, Baltimore, Md. Architect, private plans. Owners, Baltimore Drydock Co., on premises. Brick and steel, 2 stories, 39x42 feet, slag roof. Contract awarded to B. F. Bennett Building Co., 123 S. Howard street, Baltimore.

Residences (20), Sparrows, Point, Md. Architects, Bissell & Sinkler, Bailey Building, Philadelphia. Owners, Maryland Steel Co., Sparrows Point, Md. Hollow tile and plaster, 2 stories, 30x45 feet each pair, slate roofs, steam heating. Owners are taking bids.

Proposals

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 25, 1916.—Sealed proposals will be opened in this office at 3 P. M., June 6, 1916, for the construction of the United States post office at Waynesville, N. C. Drawings and specifications may be obtained from the custodian of the site at Waynesville, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 11, 1916.—Sealed proposals will be opened in this office at 3 p. m., June 15, 1916, for the construction, complete, of the United States post office at South Boston, Va. Drawings and specifications may be obtained from the custodian of site at South Boston, Va., or at this office, in the discretion of the Supervising Architects. Jas. A. Wetmore, Acting Supervising Architect.

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Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Harry Welcher (O), 1117 Roy street. Cost, \$2,500. Dwelling, 2 stories, 15x42 feet, 437 Ashdale street.

Simon & Bassett (O), 1112 Chestnut street. Geo. Kessler Const. Co. (C), Drexel Building. Cost, \$14,000. Two dwellings, 3 stories, stone, Lincoln Drive and Carpenter street.

Walter H. Knehn (O), 4901 Knox street. Cost, \$9,000. Two dwellings, brick, 3 stories, 16x53 feet, Warnock and Duncannon streets.

David Brown (O), 2422 South Seventh st. Cost, \$36,000. Fourteen dwellings, brick, 2 stories, 15x40 feet, Chew and Pleasant streets.

S. Walter Cook (O). Cost, \$8,800. Four dwellings, brick, 2 stories, 16x42 feet, 905-07-09-11 Princeton street.

Atlantic Refining Co. (O), Twenty-eighth and Passyunk avenue. Cost, \$31,000. Boiler house, brick and concrete, Thirty-first and Bigler streets.

Rush Bros. (O), 1100 Fillmore street. Cost, \$3,000. Dwelling, 2 stories, Herbert and Large streets. Two dwellings. Price, \$5,600. Two stories, 15x48 feet.

Thos. W. South (O), Disston and Keystone streets. Edw. J. Mattis (C), Wingohocking street. Cost, \$6,00. Two dwellings, brick, 2 stories, 16x52 feet, Disston and Walker streets.

Otto Borman (O), Fishers lane and H street. Cost, \$2,000. Dwelling, 2 stories, 30x48 feet, Fishers lane and H street.

Thos. H. Davenport (O), State road and Linden street. Howard Campbell (C), State road and Linden street. Cost, \$1,200. Dwelling, frame, 17x51 feet, 2 stories, Avondale and State roads.

P. J. Morgaard (O), 706 E. Cheltenham avenue. Cost, \$2,800. Dwelling, 2 stories, 16x53 feet, 810 Cheltenham avenue.

W. O. Matron (O), Old York road. Cost,

\$38,500. Eleven dwellings, brick, 16x56 feet, 2 stories, Cheltenham avenue and Beechwood st.

Frank Schilling (O), 220 Northeast Boulevard. Cost, \$12,500. Five dwellings, brick, 15x42 feet, 2 stories, slag roof, Mascher street and Northeast Boulevard.

Calvin W. Rogers (O), 237 South Forty-ninth street. Cost, \$5,000. Dwelling, brick, 2 stories, 16x42 feet, northwest corner Fifty-fourth and Malcolm streets. Cost, \$27,000. Eighth dwellings, 16x42 feet, 2 stories, brick, Fifty-fourth and Whitby avenue.

Denito Trochorenko (O), 1218 Dorether st. Anthony Ziernicks (C), 1632 Hunting Park avenue. Cost, \$4,350. Dwelling, 2 stories, brick, 16x65 feet, 1979 Hunting Park avenue.

Geo. Edel (O), Hillcrest and Stenton ave. Cost, \$22,200. Ten dwellings, brick, 2 stories, 16x43 feet, Frankford avenue and Buckius streets.

Coxe & Troemmer (O), 468 Drexel Building. Geo. A. Boyd (C), 211 E. Willow Grove avenue. Cost, \$21,000. Six dwellings, brick, 2 stories, 16x54 feet, Tenth street and Northeast Boulevard.

Edward M. Harris (O), northeast corner Twenty-second and Market streets. Lam Building Co. (C), 1001 Wood street. Cost, \$19,000. Two stores, brick, 30x160 feet, 851 North Broad street.

Consolidated Realty Co. (O), 3438 North Thirteenth street. Cost, \$24,500. Seven dwellings, brick, 2 stories, 16x58 feet, Fifth and Wyoming avenue.

Domenico Dellisi (O), 903 South Ninth st. Virgilia Cdrosoli (C), 1231 Christian street. Cost, \$3,000. Dwelling, 3 stories, 16x31 feet, 903 South Ninth street.

Dr. E. A. Treacy (O), 4829 North Fifth street. D. W. O'Dea (C), 5227 North Fifth street. Cost, \$5,600. Dwelling, brick, 2 stories, 16x63 feet, 5114 North Fifth street.

and general repairing, 334 South Delaware avenue.

P. P. Brown (O), 1449 North Thirteenth street. D. E. Ostrander (C), 954 Sartain street. Cost, \$500. Interior alterations as per plans, and 3-story porch in rear, 1447 N. Thirteenth street.

Bathista Contino (O), 1109 Pierce street. Jos. Juliano (C), 1132 Watkins street. Cost, \$400. Dwelling, brick, 2-story rear addition, 12x16 feet, slag roof and alterations, 1109 Pierce street.

London & Liverpool & Globe Ins. Co. (O), 333 Walnut street. F. J. English (C), 1608 North Carlisle street. Cost, \$700. Repair fire damage, brick, 742 North Thirty-seventh street.

Phil Davis (O), southeast corner Seventh and Reed street. Nieman & Melgram (C), 1916 South Fifth street. Cost, \$650. Store and dwelling, brick, put windows in side wall and general alterations, southeast corner Seventeenth and Reed streets.

Fertilizer Mfg. Co. (O), Baltimore & Ohio R. R., Twenty-third and Chestnut streets. Jas. C. Driscoll (C), 1524 Chestnut street. Cost, \$5,000. Brick, building new rails as per plans and general alterations, new 3-ply roof, east side Schuylkill river, south of Tasker street.

Mrs. Sarah E. Duthie (O), 5932 Market street. H. Renssiviek (C), 137 North Tenth street. Cost, \$4,300. Store and dwelling, 2 and 3 stories addition, 16x8 feet and 3d rear addition, 12x34 feet, slag roof, hot water heat, 5930 Market street.

M. L. Myers (O), 700 South Fifth street. Max Rudberg (C), 250 Monroe street. Cost, \$800. Store and dwelling, brick, 2d story rear addition, 16x5½ feet, and general alterations, southwest corner Fifth and Bainbridge streets.

David Bery Distilling Co. (O), Tasker and Delaware avenue. H. V. Charles, 63 North Sixty-third street. Cost, \$2,000. Engine foundations, north side Mifflin street wharf on the Delaware, east of Delaware avenue.

H. F. Brown (O), 4600 Main street. Brown Const. Co. (C), 4600 Main street. Cost, \$2,500. Brick, front addition, 34x11 feet; side addition, 6x25 feet, northeast corner Green lane and Ridge avenue.

Binn & Wolf (O and C), Ash street, Frankford creek. Cost, \$500. Frame, 14x50 feet, 1 story, slag roof, cement floor, north side Ash, east of Frankford creek, Bridesburg.

Mary Ozemkiewig (O), 738-40 South Front street. Michael Cipello & Co. (C), 778 South Seventh street. Cost, \$1600. Brick, general interior alterations, 738-40 South Front street, northwest corner Pemberton.

Quaker City Rubber Co. (O), Comly and Milnoe streets. S. S. Wilmer (C), 3211 Comly street. Cost, \$3,500. Frame addition, 32x151 feet, sheathing roof, northeast corner Comly and Wilnoe streets.

Goldstein Bros. (O), 201 Green street. Jno. Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$1,200. Apartments, fire escape with fireproof doors, 2019-21-23 Green street.

Premier Brewing Co. (O), 844 North Orianna street. Andrew Donaldson, Jr. (C), 2237 Oakford street. Cost, \$1,000. Bottling house, brick as per plans, 848 North Third street.

Harry Kurtz (C), 462 Lyceum avenue. Alonza Rowland (C), 4332 Peekin street. Cost, \$500. Dwelling, brick, interior alterations, front porch, 17x7 feet, 462 Lyceum avenue.

E. F. Rurang & Son (O and C), 10 South Eighteenth street. Cost, \$1,500. Storage, general alterations and new toilets rearrange heating, 1220 Locust street.

Mildred Tapper (O), northeast corner Sixty-second and Noble streets. Christian E. White & Co. (C), 511 North Sixty-second st.

(Continued on page 338.)

Alterations and Additions

Chas. W. Lowser (O), Seventh and Wood streets. Barclay White & Co. (C), 1530 Chestnut street. Cost, \$15,000. Concrete building, 2-story addition, 50x87 feet, northeast corner Seventh and Wood streets.

Estate H. H. Brown, deceased (O). Henry L. Brown (C), 1714 Sansom street. Cost, \$1,800. Repair tin roof and general interior repairing, 3912 Spruce street.

Henry J. Miller (O), Falls road. Jas. O'Connor (C), Hale Building. Cost, \$3,500. One-story greenhouse, 20x175 feet, north side Fall road east of Belmont avenue. 1,000 feet.

Miller Lock Co. (O), Frankford. Warren Moore & Co. (C), 510 Commercial Trust Building. Cost, \$40,000. Additional floor to entire building, 77x248 feet, reinforced concrete and brick, enclosed stairway, west side Tacony street, south of Orthodox street.

Superior Thread & Yarn Co. (O), 334 Fifth avenue, New York City. Barber Asphalt Paving Co. (C), 239 North Thirtieth street. Cost, \$750. Mill, 9.6x41 feet, 8 feet deep foundation, no additions, northeast corner Howard and Norris streets.

P. & R. R. Co. (O), 520 Reading Terminal. Mitchell Bros. (C), 2125 Race street. Cost, \$1,195. Truck house, 1 story, stone and frame, 28x47 feet, open shed and heated room, 8x8 feet, as plan, east side P. & R. R. south Spencer street.

Blankman & Morrisian (O and C), 625 Moyamensing avenue. Cost \$163,500. Brick, slag roof, hot water, 2 stories. Twenty-ninth, 15x45 feet, north side Fisher avenue, 16 feet west Fourth street. Twenty-two, 15x45 feet, south side Fisher avenue, west of Fourth street. One, 16x45 feet, southwest corner Fourth and Fisher avenue. One, 16x45 feet, northwest corner Fourth and Fisher avenue. One, 18.6½x53 feet, northeast corner Fifth and Fisher avenue.

Wm. D. Wilson (O and C), 127 South Fifty-first street. Cost, \$58,800. Brick, slag roof, hot water heat, 2 stories. One, 16x44 feet, northwest corner Redfield and Haddington avenue. Twenty-four, 15.3x40 feet, west side Redfield, north of Haddington avenue.

Infante Bros. (O), Pine and Water streets. Samuel J. Rea (C), 1608 Fairmount avenue. Cost, \$1,400. Warehouse, build refrigerator

Bell Phone, Spruce 6612. Keystone Phone, Race 2799

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Editorial Comment

On the north shore of Long Island, about four miles beyond the line of New York City, there is to be planted a home colony that is expected to be in many ways unique.

The promoters, to begin with, are all of them men affiliated with the arts—sculptors, painters, architects, illustrators and mural decorators of national repute, such men as Frederick MacMonnies, Robert Aitken, Paul W. Bartlett, Thomas Hastings, Jules Guerin, Owen Brainard, Penrhyn Stanlaws, Walter Russell, Edwin Blashfield and J. Alden Weir.

These men have associated with them a committee of financiers, have purchased some 186 acres of choice land fronting Manhasset Bay, have formed a company to be known as The Dominion of Versailles, and propose to lay out on the ground thus acquired one of the most elaborate and beautiful schemes of colony planning ever attempted in America.

"On July 15," said Walter Russell in discussing the project, "the engineering work will begin. Construction of the actual buildings will not be under way until fall."

Carrere & Hastings have made the designs for a colossal group of buildings almost as imposing as an international exposition in size. The ground rises from the shore of Manhasset Bay to wooded hills nearly 100 feet in height, about 1,000 yards from the water's edge.

All this space is to be laid out in formal gardens and parks like the famous gardens of Versailles, which the greatest of French gardeners, Vaux, created for "le Grand Monarch," Louis XIV, the richest and most magnificent King of France that ever lived.

The crest of the hill about half a mile from the water is to be crowned by a club house with ball rooms, dining rooms, restaurants that will seat comfortably 2,000 persons, tea rooms, swimming pools, squash courts, and all the other comforts and luxuries of the best modern club houses or hotels.

* * *

All the cottages and private gardens of the Dominion will be laid out as separate, harmonious units of the whole scheme of architecture and landscape gardening, so that from whatever point the colony is seen, whether from Manhasset Bay, the terraces of the club house, the porches of the individual cottages, or the windows of any of the private residences, the sweeping view will be one of harmony and symmetry and inspiring beauty.

The grounds of the Dominion of Versailles, as it is called, are about 180 acres in extent. The natural beauty of the location is pronounced far superior to that of the French Versailles. The chateau of Louis XIV stands on a level plain. The land on which the new Versailles is to be built slopes gently upward from the sound to a plateau about 150 feet above the water. The main building will be

erected on the summit of this elevation, the highest portion of the grounds. It will not be a copy of the Chateau de Versailles in France, but an American adaptation of it. The aim will be to retain all the stately splendor and beauty of the ancient structure and the lessons of the past will be applied to the needs and conditions of the present.

It is planned to make the gardens of this new Versailles even more beautiful than those which surround the famous palace of Louis XIV. Their layout follows to a certain extent the natural formation of the ground and is divided into three main parts. The first is that which lies between the waterfront and the public road which crosses the property. In this will be the approach to the club houses and a large playground for children, at the lower end of which will be a big swimming pool.

* * *

The chateau will be just half a mile distant from the waterfront. It will be 1,200 feet in length, or nearly equal to the extent of five north and south blocks in New York City.

The exterior has been designed both in relation to its appearance from the gardens and its effect when viewed from a distance. This idea will be carried out in making the long front portions of the building comparatively low and quite simple, keeping the spirit of the old chateau of Versailles, while the rear portion will be higher, culminating in two towers, each about 375 feet in height. In the lower portions of the chateau the average height will be eight stories; elsewhere, exclusive of the towers, the average will be sixteen stories.

The great entrance hall will be the first striking feature on entering the chateau. Two splendid stairways will lead from this. One, the "king's stairway," as it is called in old Versailles, will be monumental in its sweep and breadth and will lead to the second floor. The other will descend to the grand ballroom, which will occupy the central court of the building.

* * *

This American Versailles is intended to combine the exclusiveness and privacy of a home with the pleasures and advantages of social life. It will be town and country in one, with none of the discomforts and annoyances of either. The Dominion of Versailles will contain the comforts and luxuries of modern life that even a king could not buy in the days of Louis XIV. It will be the most regal thing in America, but one need not be a king or a millionaire to live there, its promoters say.

There will be a club house and other facilities for entertainment exclusively for the use of employees of Versailles. Persons living in the chateau may have their own servants

or they can employ such as they wish at any time, for an hour or a day or a week, from the regular staff that will be maintained for that purpose.

At the waterfront, facing a great green mall, will be the buildings of the Versailles Club. The two sections will average about four stories in height and will contain about 1,000 rooms in suites of parlor, bedroom and bath for the use of club members and their families. The club will be like an exclusive family hotel and the club members will enjoy practically the same privileges as the owners of space in the chateau itself.

Among the other buildings which are part of the general plan of the Dominion of Versailles are a casino and a yacht clubhouse. An artificial harbor will be constructed. At the ends of the breakwaters will be triumphal columns. The bathing beach will be inside these breakwaters, with facilities for sea bathing at night by means of under water illumination.

The architecture of the Versailles Club, the casino and the yacht club will harmonize in design and will recall that of the Petit Trianon.

* * *

Sounds like a dream culled from the Arabian Nights, doesn't it?

But listen to one of the foremost of American architects, Mr. Thomas Hastings, who is to do the designing and who is one of the principals in the enterprise.

* * *

Thomas Hastings, of Carrere & Hastings, said:

"Versailles is the biggest thing I have ever undertaken. There is nothing that I know of that is so big. When anything like this has been done before it has been done for royalty. This is a home—a combination of a lot of individual homes.

"I expect Versailles to be the greatest work of my career. It is the most interesting thing I have ever had to do. It is like the Prix de Rome, with the added interest that it is going to be executed.

"If the Chateau of this American Versailles is not the biggest thing in the world, it will be the biggest architectural feature or mass in America. To answer its splendid purpose it must be something between a great building and a small town. It must harmonize with the country and country life and be thoroughly homelike in character. From the architect's point of view it is an entirely new and modern problem.

"To illustrate my meaning, let me say that the average American town is forlorn, because it is scattered all over in spots that have no relation to each other. The effect is not beautiful. There is no landscape and no town. In Versailles we shall concentrate the town—as the great chateau might be called—and have plenty of room for country landscape, as in ancient and beautiful towns of Southern and Eastern Europe.

"The land where Versailles is to be built lends itself to the solution of the problem bet-

ter than any other location that I know of near New York. To my mind, Versailles is as much a study of real architectural landscape as of architecture. The chateau will be a beautiful structure that will fit into a beautiful environment.

"While at the beginning I was awed by the size and splendor of the project, the more I studied and the more I looked into possibilities of financing it the more I became convinced that it was practical and possible.

"My architectural conception of Versailles is not as a hotel, or apartment house on a vast scale. It is a place where a man can have the quiet and seclusion of his own country home surrounded by an infinitely greater amount of beauty and variety of landscape than would be possible in any other way. Versailles will be an ideal combination of convenience and beauty—the country at the door of the town. There is nothing like it in all the world."

* * *

Owen Brainard, of Carrere & Hastings, has charge of all the engineering work. Frederick MacMonnies, Paul Bartlett and Robert Aitken, sculptors, will create the three largest fountains. They will also act as the committee in control of the many sculptural features. J. Alden Weir, president of the National Academy; Edwin H. Blashfield, Frank V. Dumond, Maxfield Parrish and Jules Guerin will have charge of all mural and interior decorations.

Plans and pictures of this American Versailles are now on exhibition at the National Academy of Design, No. 215 West Fifty-seventh street, New York City.

* * *

Frederick MacMonnies declared Versailles will mean a new birth of art in America. He said:

"It will be the one great demonstration here of the true spirit and real love of art. Americans who have traveled abroad with unseeing eyes have an idea that art is something that should be kept for people to look at on Sundays and holidays. They have no knowledge of its application.

"Versailles will give them a knowledge of the application of art to the needs of everyday life."

Paul Bartlett said:

"The creators of this great enterprise are actually accomplishing, as business men, the things that Louis XIV did as a king. But they are doing it through the culmination of co-operation, which is greater than kingly power. Every century has developed a beauty of its own. The new Versailles will be the greatest milestone in American art."

* * *

So that the new Versailles, it will be seen, is not a dream, but a practical twentieth century actuality, pregnant with big things for the future of American art and backed by men in every way competent to endow it with the beauty that should go hand in hand with a project of such extraordinary magnitude and magnificence.

TRADE NEWS AND GOSSIP.

**The New Jersey Master Plumbers' Association will hold its annual convention at Columbus Institute Hall, Newark, N. J., May 22-24, inclusive. Plans are under way for an interesting exhibition of plumbing fixtures and appliances to be held in connection with the convention.

**Colby & Christie, consulting engineers, Witherspoon Building, Philadelphia, Pa., have discontinued their New York office at 165 Broadway.

**The National Electrical Contractors' Association of the United States will hold its annual convention at the Hotel McAlpin, New York, July 18-22. Secretary, G. W. Duffield, 41 Martin Building, Utica, N. Y.

**Clarence L. Sefert, architect, has recently moved his offices from 110 West Fortieth street to 2010 Broadway, New York City.

**The National Housing Association will hold the next housing conference at Providence, R. I., October 9-10-11, 1916.

**Duncan Candler, architect, has moved his offices from 105 West Fortieth street to 753 Fifth avenue, New York City.

**G. E. Krug, architect, has moved his offices from 320 Fifth avenue, Manhattan, to East Orange, N. J.

**The National Association of Master Plumbers will hold its annual convention at Atlantic City, N. J., June 22-24. The headquarters will be at the Hotel Breakers. The program for this convention will be announced later.

**D. Everett Waid, architect, has moved his offices from the third to the twenty-second floor of the Metropolitan Building, New York.

**Scopes & Feustman, architects, have moved their New York office from 37 East Twenty-eighth street to 15-17 West Thirty-eighth street, Manhattan.

**Patterson & Dula, architects, have moved their offices from the Anderson Studios Building, 15 East Fortieth street, to 527 Fifth avenue, New York.

**Werner & Windolph, architects, formerly located at 27 West Thirty-third street, are now occupying larger quarters at 25 West Thirty-third street, New York.

**W. L. Barnhart, sales representative for the White-Steel Sanitary Furniture Company, has moved his office from 101 Park avenue to 507 Fifth avenue, New York.

**The National Warm Air Heating and Ventilating Association will hold its annual convention at Detroit, Mich., June 14.

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ALTERATIONS AND ADDITIONS.

(Continued from page 335.)

Cost, \$1,500. Wagon shed, brick, 1 story, 85x30 feet, slag roof, northeast corner Sixty-second and Noble streets.

Penna. R. R. Co. (O and C), Broad Street Station. Cost, \$2,900. Engine house, office extension, 2-story addition, brick, 12x49.9½ feet, 24.9 feet high, Pennsylvania R.R., west side of Thirtieth street, north of Race street.

J. F. Lewis (O), 1914 Spruce street. Wilbert A. Springer (C), 1624 Latimer street. Cost, \$1,400. Brick, 1 story and basement addition, 8x12 feet, concrete roof, 1914 Spruce street.

Samuel Taylor (O), 2371 East Cumberland street. D. O. Killey (C), 2046 East Orleans street. Cost, \$400. Brick kitchen, one story, 13x12 feet, slag roof, 2909 Frankford avenue.

Max Sachmoff (O), 1956 Dalkerth street. Harry Slass (C), 1809 North Seventh street. Cost, \$650. Brick kitchen, one story, 16x10 feet, tin roof, 1956 Dalkerth street.

A. F. Winkle (O), Holley and Brown streets. Anthony Gallagher (C), 3706 Haverford avenue. Cost, \$700. Garage, brick, 16.2x58.4 feet, 1 story, slag roof, Northeast corner Holley and Brown streets.

C. Lakowiz (O and C), 2018 Orthodox street. Cost, \$1,200. Dwelling, 2 stories addition, 16x40 feet, 23 feet high, slag roof, and general alterations (interior), 2015 Orthodox st.

Hon. Judge Crane (O), Sixty-second and Nassau road. Ketcham & McQuade (C), 1029 Brown street. Cost, \$500. Garage, brick and stone, 1 story, 11½x18½ feet, Sixty-second and Nassau road, Overbrook, Pa.

First Roumania Congr. (O), 754 South Third street. Nathan Lehrman (C), 920 Walf st. Cost, \$5,000. Brick fire tower, 3 stories, 10x16 feet, 754 South Third street.

Fitzmoris Bros. (O), 2005 Bainbridge st. Robert G. Ward (C), 633 North Sixty-third street. Cost, \$845. Kitchen and bath, brick, 1 story, rear addition, 12.9x12.6 feet, and 2 stories rear addition, 8x12.6 feet, slag roof, 2005 Bambridge street.

F. Miller (O), 2422 Howard street. Robert Irwin King (O), 409 West Price street. John Dear (C), 4544 Greene street, Gtn. Cost, \$3,000. Dwelling, brick, interior and ex-

terior alterations in general, rebuild porch and chimneys, reshingle roof and etc., 217 W. Walnut lane.

Jno. Pyne (O), 5206 Woodland avenue. W. L. Frame (C), 835 Holly street. Cost, \$1100. store and dwelling, general alterations, 5206 Woodland avenue.

M. Rosen (O), 831 South Third street. Samuel Strogin (C), 313 Cantrell street. Cost, \$500. First and second rear addition, brick, 14x15 feet and cellar, 831 South Third street. Brown (C), 278 Walnut street. Cost, \$400. Garage, 1 story, brick, 18x28 feet, 2421 E. Waterloo street.

Mrs. F. Malemonnt (O), Sixty-third and Wheeler street. Cox & McNally (C), Eighty-first and Holstein avenue. Cost, \$1,000. Dwelling, 2-story rear addition, 16x10 feet, with cellar, slag roof, northeast corner Sixty-third and Wheeler streets.

Estate of Benj. Harper (O), 133 S. Twelfth street. Alfred Stehli (C), Wyoming avenue, west of Front street. Cost, \$500. Stable, fire repairs, Rising Sun avenue above Wingo-hocking street.

Morris Sinopky (O), 4425 Main street. Friend Scargill (C), N. Manayunk. Cost, \$300. Garage, brick, 14x18 feet, 2 stories, slag roof, Main and Carson streets, Manayunk.

Moores Est. (O), south side Overbrook avenue, east Seventieth street. Alfred James (C), Bala. Cost, \$800. Garage, hollow tile, 13.4x21.4 feet, shingle roof, 1 story, south side Overbrook avenue, east Seventieth street.

Frank Busche (O), southeast corner Leithgow and Susquehanna avenue. Jacob Gaertner (C), 2214 North Third street. Cost, \$2,500. Second story rear addition, brick, 15x25 feet, northeast corner Leithgow and Susquehanna avenue.

Messrs. LaRue (O), 67 East Mermaid lane. Jno. McCoy (C), 1215 Summer street. Cost, \$2,000. Dwelling, brick, second story rear addition, 19x27 feet, with cellar, tin roof, 67 E. Mermaid lane, Chestnut Hill.

Phila. Yeast Mfg. Co. (O), Thirty-first and Jefferson streets. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$2,000. General repair floor and roof, no additions, northeast corner Thirty-first and Jefferson streets.

Albert P. Hart (O), 1438 North Fifteenth street. J. Y. Loux (C), 1121 Rising Sun lane. Cost, \$1,600. Brick, 1-story kitchen, 10x11 feet, porch on second and third floors, 10x14 feet and 5x6 feet, and general alterations, 1432 North Fifteenth street.

Phila. Union Stock Yards Co. (O), Thirtieth and Master streets. F. W. Van Loon (C), Denckla Building. Cost, \$10,000. Loading platform, open shed, 45x280 feet, southeast corner Thirtieth and Walnut streets.

Emil Veit (O), 1821 East Tioga street. Arthur V. Turner (C), 6328 North Camac street. Cost, \$725. Garage, frame, 13x20 feet, 1 story, southwest corner Twelfth and Chelton avenue.

Francis Rosie (O and C), 4406 Leiper street. Cost, \$400. Dwelling, 1 story, brick, addition in front, 15x12 feet, and addition in rear, 15x15 feet, slag roof, 4406 Leiper street.

Chas. W. Shelmire (O), Germantown avenue and Lehigh avenue. H. P. Werner (C), 3245 Germantown avenue. Cost, \$1,000. Store, general alterations, 2647 Germantown avenue.

Chas. Hardenbrook (O), 6742 North Fifteenth street. Clinton L. Hemmerly (C), Oak Lane. Cost, \$1,000. Garage, brick, 11x20 feet, addition to rear of garage, 6742 North Thirteenth street.

Herman Bamford (O and C), 6930 Tulip street. Store and dwelling, brick, second-story addition, 16.4x60 feet; 1-story rear addition, 13.6x19.6 feet, and interior alterations, north side Longshore street, 20 feet W. Vandyke street.

C. Zimmerman (O), 2070 Chelton avenue. J. H. Goodwin (C), 1325 E. Haines street. Cost, \$400. Dwelling and store, brick, 1-story rear addition, 16x20 feet, with cellar, gravel roof, 2070 E. Chelton avenue.

E. Trainer (O), 820 S. Second street. A. Donaldson, Jr. (C), 2237 Oakford street. Cost, \$500. Store and dwelling, interior alterations, southwest corner Eighth and Fitzwater sts.

M. Somerson (O), 2030 Ridge avenue. Modern Const. Co. (C), 523 Lafayette Building. Cost, \$1,000. Store and dwelling, brick, 1-story addition, 6x12.6 feet, slag roof, 2030 Ridge avenue.

Jas. J. McArdle (O), 544 W. Horter street. E. Carmel (C), 332 Queen lane. Cost, \$1,000. Dwelling, brick, build second-story porch, 19x16 feet, 544 Horter street.

J. G. Klemm (O), Villa Nova, Pa. F. B. Davis (C), 240 North Sixteenth street. Cost, \$600. Store, brick, general alterations, 1923-52 Market street.

Geo. A. Nahm (O), 2736 Girard avenue. H. T. Campbell (C), 1222 North Twenty-ninth street. Cost, \$800. Dwelling, brick, hot water heating system, 2824 Girard avenue.

J. E. Brennehan (O and C), 4303 Spruce street. Cost, \$1,800. Dwelling, brick, build third-story, 14x34 feet, tin roof, 4303 Spruce street.

Chas. Rosenberg (O), northeast corner Twenty-eighth and Walnut streets. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$3,800. Garage, 38.4½x54 feet, brick, 2709-11-13 Wharton street.

Jno. Bradley (O), 4527 Lancaster avenue. Warren E. Biscoe (C), 3954 Ludlow street. Cost, \$2,800. Garage, brick, 50x68 feet, slag roof, 4527 Lancaster avenue.

Dinis Calaham (O), 2654 Cedar street. Joseph A. Wolf (C), 2306 E. Lehigh avenue. Cost, \$2,600. Garage, brick, 1 story, 16x100 feet addition, 2413 Huntingdon street.

Ernest R. Webster (O), 5521 Boyer street. Jno. Bateman (C), 8 Locust street, Gtn. Cost, \$750. Garage, brick, 17.10x35.8 feet, slag roof, 5521 Boyer street, Germantown.

Frank Schillings (O and C), 220 Northeast Boulevard. Cost, \$2,400. Six garages, brick, each 15.5x18 feet, slag roofs, 143 feet West of Masher street, 134 feet south of Northeast Boulevard, on a private street 24 feet wide.

Jno. Dobson Est. (O), 809 Chestnut street. H. R. Rust (C), 19 South Eighth street. Cost, \$1,800. Store, brick, general interior alterations, erect stairway, 837 Market street.

W. S. Stevenson (O), 6332 Drexel road. M. W. Young (C), Overbrook. Cost, \$1,800. Garage, 1 story, 16x23 feet, slate roof, southeast corner Sixty-sixth and Overbrook avenue.

S. W. Sargeht (O), 6472 Overbrook avenue. M. W. Young (C), Overbrook. Cost, \$1,500. Garage, brick, 21x23 feet, slag roof, southeast corner Sixty-sixth and Overbrook avenue.

Herbert Appleyard (O and C), 2213 North Eighth street. Cost, \$500. Dwelling, brick, 14x44 feet, slag roof, making bungalow, west side State road, 307 feet north Linden ave.

F. Nardy (O and C), 1220 Fitzwater street. Cost, \$7,750. Garage, brick, 86x113 feet, 2 inch plank roof, 3438 Ludlow street.

The world is just chock full of men who failed because they expected buyers to romp right in and ask for goods. Modern business spends big money simply to get the buyer interested knowing that sales follow.

The "Builders' Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.

THE STEWARDSON PARTY AND TWENTY-SECOND ANNUAL EXHIBITION OF PHILADELPHIA CHAPTER, A. I. of A., AND THE T-SQUARE CLUB

The annual Stewardson Party given by the president and members of the Philadelphia Chapter of the American Institute of Architects was held on Saturday night at the Art Club. Horace W. Sellers, president of the Philadelphia Chapter, presided. The function brings together the junior architects of the city and the older members of the institute. Among those on the committee were E. Perot Bissell, George Howard Bickley, Edmund B. Gilchrist, Donald M. Kirkpatrick, Arthur I. Meigs, H. B. Register, George Howe and Louis De Lone. An exhibition of the work of the T-Square Club and the junior organization was shown.

The party has been established in memory of John Stewardson, whose efforts resulted in a congenial relationship between the architects and their draughtsmen. It consists of a reception by the practicing architects of the city to the architectural students and draughtsmen.

The exhibition while not a large one, was most comprehensive and showed work of a high degree of excellence. It included original drawings, models and enlarged photographs of executed and proposed work, illustrative of structural, decorative and landscape architecture; also sketches and paintings of decorative subjects and executed work in the applied arts.

Of great local interest was shown the model of the proposed development of the east bank of the Schuylkill River, between the Sedgley Club and the Girard avenue bridge. The model is a most pretentious piece of work, about 15 feet in length, made under the direction of Edgar V. Seeler, architect, and Charles Grafly, sculptor.

Of further interest is the work of Day & Klauder showing fine examples of college buildings, designed for Wellesley College and Cornell University. These buildings strike a new note in this type, and the skill with which they are designed shows the touch of a master hand. Coming from the same office is a sketch of a well designed Christian Science Church.

The winning designs for the Carson College for Girls by Albert Kelsey and the accepted design for the Camden High School are also on exhibition.

A large photograph of the Curtis Building and the Penn Mutual Building shows two fine examples of the executed work of Edgar V. Seeler. This same architect exhibits the well designed residence of James Laughlin, erected at Zellewood.

Other interesting work done by architects in this city are the designs for the entrance to Schenley Park, Pittsburgh, Pa., by Horace

Wells Sellers and H. Bartol Register. Also a church and church home at Oakbourne by Walter H. Thomas.

Also some very fine examples of domestic architecture is shown in the residence work of Duhring, Okie & Ziegler, Wilson, Eyre & McIlvaine, Lawrence Visscher Boyd, Brockie & Hastings, George Howe, Charles Willing, J. P. Sims, Edmund Gilchrist, John Graham, Jr., Martin & Kirkpatrick, Robert R. Goodwin, Mellor & Meigs.

Other local works of interest are the drawings of the motor speedway by Heacock & Hokanson, a well executed design of the Cooper Branch Library at Camden, by Karcher & Smith, and St. Matthew's Catholic Church, by George I. Lovatt.

The exhibit from the Architectural School of the University of Pennsylvania shows as usual specimens of well trained students and some of the archeology problems rank, from the standpoint of draughtsmanship, with the best work in the exhibition.

From out of town, and perhaps the best work on exhibition are the masterly designs submitted by Cass Gilbert, of New York, including a wonderful perspective drawing and design of the Detroit Library, a competitive drawing for the Scott Memorial Library and a perspective drawing of a New York bridge.

The work of Bertram Grosvenor Goodhue is well up among the best on the walls, and includes a well executed and cleverly handled perspective of Grace Church, New York. A house at Pasadena, Cal., also showed the skill of this well-known architect.

John V. Van Pelt's winning design for the base of the Joan of Arc statue is also on exhibition. George B. Post & Son, of New York, sent a perspective of the Hotel Statler, of Detroit.

The drawing of the Franklin Bank Building, by McKim, Mead & White and Furness-Evans & Co., is also among the exhibits. Other work from out of town includes the academic work from Carnegie Institute, Pittsburgh; the Colony Club, by Delan & Aldrich, New York; a house at Los Angeles, Cal., by Maron Hunt; a most pretentious residence for H. H. Rogers, South Hampton, L. I., by Walker & Gillette, of New York, and many other designs by well-known architects.

The stained glass by Nicola D'Ascenzo, the wrought iron work by Samuel Yellin and the tile work by the Enfield Potteries show the degree of perfection to which the executed work can be carried and add much to the interest of the exhibition.

Don't lose your grip. Noah was 600 years old before he knew how to build an ark.

CERTIFIED BUILDINGS.

The unification of the various municipal departments now charged with the inspection of buildings in this city (New York) will have one desirable effect that has scarcely been referred to in the considerations that have been given to the pending legislation, and that is the effect of the new system of building inspection upon the marketability of a building. When an owner has completed his building in accordance with the standardized regulations which will go into effect next October under the new law, he will receive from the Superintendent of Buildings having jurisdiction a certificate of occupancy, or, in other words, a certificate of character for his building.

This will be the equivalent of a legal notice to the world, and especially to an intending purchaser, that the building has been erected according to all the laws and regulations governing the classification to which it belongs, that there are no violation orders pending against it anywhere, and that so long as it is kept in good repair and used only for the purposes for which it was designed, the owner will not be required to alter its structural parts or make improvements of any sort against his will.

More than that, the building will not only be correct in its structural plan, construction and equipment, but it will have complied with the forthcoming regulations governing the height and situation of buildings. If it be a business structure, it will have been restricted to a certain district in the city appropriate to the trade or industry which it is designed to serve. It will not have been permitted to intrude where it is unwelcome, or where it will not be useable and rentable to the best advantage.

The district where it will be situated will not be subject to a sudden wholesale recession of realty values in consequence of being deserted through the migratory flight of a volatile industry, or, on the other hand, in consequence of an incursion of incongruous buildings and trades. One of the principal elements in property value is security of investment based upon the permanency of the good character of a neighborhood, and there is no security where there is no guarantee of reasonable permanency. The new districting regulations will be an effective prohibition against stagnant pools of obsolescent buildings with their concomitant of moribund land values.

The owner who has built under the standardized laws and regulations will possess, in a word, a certified building, one which an investor will be perfectly safe in buying, so far as its structural qualities are concerned, one which will be insurable at the lowest rate, and rentable on a schedule that will produce the best possible return on the investment. It will be a building for which the maximum loan will be obtainable, and which will amortize the mortgage, or pay for itself entirely, within a minimum period.

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administration and regulations, when fully understood, will be viewed as the greatest step in advance that has ever been taken in behalf of realty interests. It will do more to restore the popularity of property ownership and real estate investments in all its forms than any benefit that has been conferred in years. It is hoped, however, that there will be no misunderstanding over the appointment of the board of standards and appeals. Care should be taken to preserve the technical character which the board has possessed from its inception, separate and distinct from all political ends.—New York "Real Estate Record."

The man who is "going to do some advertising next year—maybe" gets his advertising in the end in the shape of an obituary.

THE "IOWA CITY" PLAN OF BIDDING

No current item of news has had wider circulation in the architectural press of the country, or received more comment, than the recent letting of a contract on an \$80,000 bridge to a man who bid \$500 lower than the lowest bid."

The contract was awarded by the City Council of Iowa City, Iowa, to William Harrabin, of that city. The lowest bid was submitted by the Widell Construction Company, of Mankato, Minn., which bid \$77,900, and the award was contested by former Governor Eberhard, of Minnesota, secretary of the company; but the City Council stood pat. The legality of the bid is being discussed from coast to coast.

Sanders Shanks, secretary of The Bond Buyer, New York City, writing in "Municipal Engineering," cites an analogous case which arose at Cumberland, Md., where a bond house in addition to its regular bid, made an alternative offer, agreeing to pay \$1.00 per bond more than any other bid or combination of bids on paying bonds to the amount of \$150,000. This bid was accepted by the city over the protest of the other bidders, but a taxpayers' suit was brought by Henry Shriver to enjoin the delivery of the bonds. The suit was upheld by Judge Henderson, of Cumberland, and a permanent injunction issued against the delivery of the bonds. The Maryland case would be a precedent if any action is brought in Iowa.

It is also cited that the paving law of Illi-

nois provides that after bids are opened any contractor may offer to do the work for ten per cent. less than the lowest bid and take the contract. The difference between the two cases is that in Illinois the contractor knows what to expect, which is not the case where the law is not specifically stated.

Leaving aside all question of legality, it is quite patent that the "Iowa City plan" of bidding cannot have any permanent recognition even though the contract in question is carried out. It is true the Iowa City contractor discovered a marvelous method of insuring himself the award at no loss to himself by deducting from his imaginary contract price a figure which included the cost of estimating, and all the costly preliminaries to submitting a bid, to which he was not put. He graciously left the estimating to his fellow contractors and took no more chance that they would make a mistake than that he would make a mistake and bid too low, should he have submitted a bid. That one contractor can continue to secure work on his competitors' estimates does not appeal to logic, nor is it reasonable to suppose that construction companies will continue to employ high-salaried estimators when their efforts are only used to play into the hands of their competitors, who spend neither time nor trouble on this detail. The next step beyond that is chaos in the contracting business. The present system of competitive bidding may be costly, wasteful and extravagant, but the "Iowa City plan" does not seem to be the solution for it.

Whatever the outcome of his contract, however, Mr. Harrabin may rest in the assurance that he has furnished mental exhilaration for the architectural editors of the country and has added his contribution to the gayety of nations for some time to come.—"Ohio Architect."

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I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.

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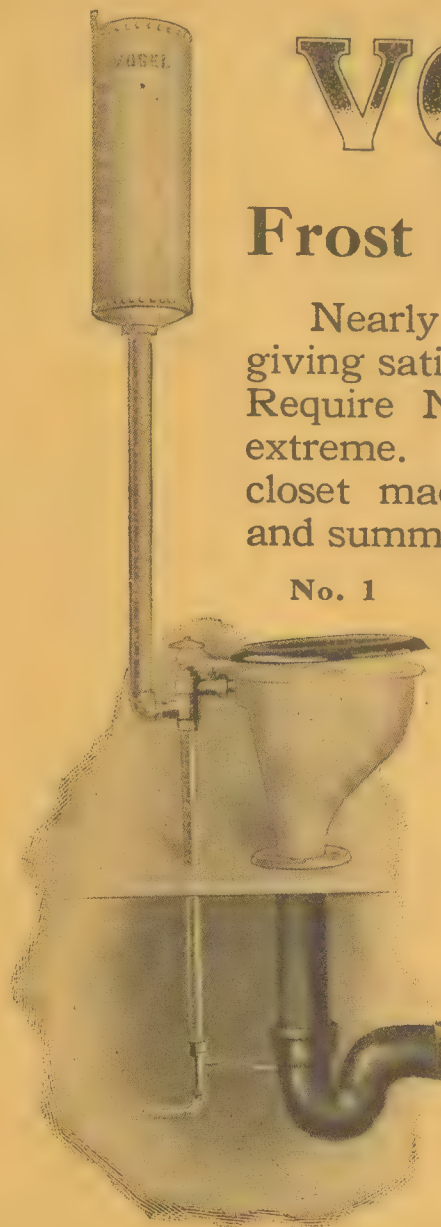
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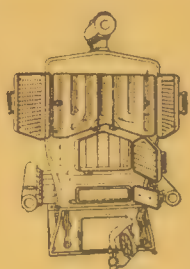


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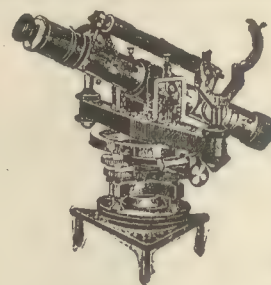
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Vol. XXXI, No. 21.

PHILADELPHIA, WEDNESDAY, MAY 24, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence and Garage, Oak Lane, Philadelphia. Architect, Andrew C. Bozner, 721 Walnut street, Philadelphia. Owner, M. C. Furstenau, 509 Independence avenue, Oak Lane. Hollow tile, 3 stories, 32x32 feet, and 1 story, 17x22 feet, green slate roofs, electric and gas lighting, tile work, hot water heating, hardwood floors. Plans in progress. Will take bids in about ten days.

Residence (alt. and add.), 6334 Green st., Germantown. Architect, Andrew C. Bozner, 721 Walnut street, Philadelphia. Owner, Robert Killough, on premises. Consists of interior and exterior alterations and additions, new cabinet work, etc. Plans in progress. Owner will take bids in about one month.

Church, Germantown, Philadelphia. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Second Church of Christ Scientist. Brick, 1 story, 180x110 feet, tile roof (heating, plumbing and electric work separate bids). Plans in progress. Architects will take bids in about three weeks.

Store Building, southeast corner Thirteenth and Commerce streets, Philadelphia. Architects, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, name withheld. Reinforced concrete and brick, 2 stories, 60x75 feet, slag roof, steam heating, electric lighting, metal lath, composition floors, tile work, fire doors, elevator, metal sash. Architect taking revised bids.

Residence (alts.), 1614 W. Erie avenue, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building. Owner, H. C. Story, on premises. Consists of small interior alterations, painting, plastering, electric work. Architect taking bids, due May 25th. The following are figuring: Hogg Construction Co., 1634 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; E. E. Hollenback, Fifteenth and Race streets; Joseph S. Tomlinson, 1710 W. Venango street.

Bridge, Bensalem avenue over Pennypack creek, \$200,000. Engineer, Bureau of Surveys, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Geo. E. Datesman, Director, City Hall. Re-

inforced concrete. Owners taking bids, due June 13th, at 11 A. M. Plans may be obtained at room 416 City Hall.

Alterations for Apartments, 3024 Diamond street, Philadelphia. Architects, Guy King and E. A. Weightman, 1513 Walnut street, Philadelphia. Owner, Mrs. Charles C. Sunday, on premises. Brick, 3 stories, slag roof, steam heating, electric lighting, tile work (metal weather strips and hardwood floors reserved). Architects have received revised bids.

Post Office (alts.), Ninth and Chestnut sts., Philadelphia. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Consists of interior alterations, plastering and painting, valut doors. Owners taking bids, due May 23d, at 2 P. M. Thomas C. Trafford, 1613 Sansom street, and Joseph Price, 2034 Rittenhouse street, are figuring.

Obsrevation Tower (rebuilding), Race St. Pier. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, Geo. S. Webster, Director, Bourse Building, Philadelphia. Copper work, wod floors, Reading roofing. Owners taking bids, due May 26th, at noon. W. W. Anstine & Co., 1218 Filbert street, are figuring.

Residence (alts.), School Lane and Wissahickon avenue. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Frederic H. Strawbridge, on premises. Includes new terraces, porches, stone walls, etc., promenade tile floors. Architect taking bids, due May 26th. The following are figuring: Wm. C. Wright, 22 E. Harvey street; I. A. Dunkelberger, 71 E. Herman street; Stacy Reeves & Sons, 2011 Market street; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Residence and Garage, Oak Lane, Philadelphia. Architect, E. D. Salter, 407 Wynnefield avenue, Philadelphia. Owner, Lester N. Brace, 417 Market street, Philadelphia. Frame, 2½ stories, 39x26 feet; garage, 29x16 feet, slate roof, steam heating, tile work (electric work reserved). Architect taking

bids, due May 25th. E. J. Kreitzburg, 1345 Arch street, Philadelphia, is figuring.

Sun Parlor and Conservatory, Sixty-fifth and City line, Philadelphia. Architects, Shore & Doge, 608 Chestnut street, Philadelphia. Owner, Mrs. James P. Martin, on premises. Canvas roof, electric lighting, tile work. Architect taking bids. Armstrong & Latta, Land Title Building, Philadelphia, are figuring.

Parish Building and Sexton's House, Thirty-second and Clearfield streets. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, St. James The Less P. E. Church, Rev. E. Ritchie, 3200 Clearfield st., Philadelphia. Stone, 1 story, 101x48 feet, and 2 stories, 20x42 feet, slate roofs, metal lath, waterproofing, tile work, dumbwaiter, maple floors, hot air heating (steam heating and electric work reserved). Architects taking bids, due May 25th. The following are figuring: Jacob Myers & Sons Co., Witherpoon Building; Frank E. Wallace, 1220 Chancellor street; R. C. Ballinger & Co., 218 North Thirteenth street; Stacy Reeves & Sons, 2011 Market street; Joseph Bechtel, Fifteenth and Race street; Wm. R. Dougherty, 1610 Sansom street.

Church (alts.), Tenth and Wallace streets, Philadelphia. Architects, Stuckert & Co., Croer Building, Philadelphia. Owners, St. Paul's Baptist Church, Rev. Edward W. Johnson, 1302 North Twelfth street, Philadelphia. Consists of general interior alterations. Plans completed. Architects will take bids in a few days.

Factory (add.), Thirtieth and Thompson streets. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, National Umbrella Frame Co., on premises. Concrete and brick, 1 story, 25x2 feet, slag roof, fire doors, metal sash. Builders Wm. Steele & Sons Co., 1600 Arch street, taking sub-bids.

Factory, North Philadelphia. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 60x100 feet, slag roof, electric lighting. Plans in progress. Architect will probably sub-let all contracts.

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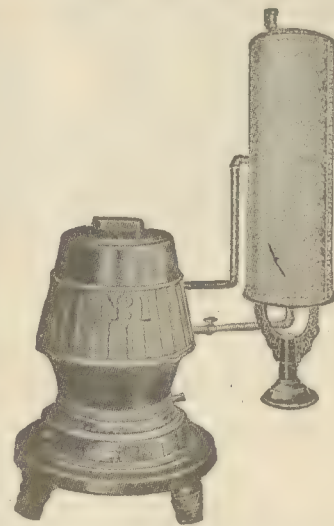
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Church, Lycoming and Nice streets, Phila-
delphia. Architect, H. E. De Hoff, 48 South
Sixty-first street, Philadelphia. Owners, Naz-
areno Baptist Church, Rev. Geo. Russel, 1712
Atlantic avenue, Philadelphia. Stone and
brick, 1 story, 47x80 feet, slag roof. Owners
taking an additional bid, due May 24th.
Henry P. Schneider, 3713 Old York road, is
figuring.

Bank and Office Building, northeast corner
of Thirteenth and Market streets. Architect,
Alfred C. Bossom, 366 Fifth avenue, New
York City. Owners, Colonial Trust Co., on
premises. Brick, stone, terra cotta, concrete
and steel, 13 stories, 342x100 feet, slag, tile,
asbestos and asphalt roof, steam heating, elec-
tric lighting, metal lath, safety treads, tile
and marble work, metal sash, kalamein doors
3 electric elevators. Architect taking bids.
The following are figuring: Roydhouse-Arey
Co., Fidelity Building; Irwin & Leighton, 126
North Twelfth street; Metzger & Fisher,
Denckla Building; Cramp & Co., Denckla
Building; Pomeroy Construction Co., 1609
Ranstead street; Charles McCaul Co., 1713
Sansom street, Philadelphia.

Residence (alt. and add.), 1429 Spruce st.
Architect, Herbert J. Wetherill, 328 Chest-
nut street, Philadelphia. Owner, Dr. G. L.
S. Jameson, on premises. Brick, 3 stories, tin
roof, electric lighting, tile work. Architect
taking bids. Wm. R. Dougherty, 1610 Sansom
street, is figuring.

Society Building and Garage, 922 North
Broad street, Philadelphia. Architect, Carl
P. Berger, 1418 South Penn Square, Philadel-
phia. Owners, Pennsylvania Society for Pre-
vention of Cruelty to Animals, Frank B. Ruth-
erford, secretary, 1627 Chestnut street. Brick,
stone and terra cotta, 3 stories, 160x38 feet,
slag roof, reinforced concrete floors, metal
lath, fire doors, ornamental iron, roof ventilat-
ors, tile work (heating and electric work sepa-
rate bids). Architect taking bids, due May
31st. The following are figuring: H. E.
Baton, Twelfth and Sansom streets; R. C.
Ballinger & Co., 218 North Thirteenth street;
Henry L. Brown, 1714 Sansom street; Charles
D. Burns, Drexel Building; Cramp & Co.,
Denckla Building; Wm. R. Dougherty, 1610
Sansom street; Doyle & Co., 277 South Elev-
enth street; D. Henwood, 1509 Wood street;
Metzger & Fisher, Denckla Building; J.
Myers & Sons Co., Witherspoon Building;
John McShain, 1610 North street; George L.
Sipps, 912 Locust street; H. H. Wehmeyer,

1004 West Lehigh avenue; Warren, Moore
Co., 520 Commercial Trust Building; Charles
McCaul Co., 1713 Sansom street, Philadelphia.

Church (alts.), Tenth and Wallace streets,
Philadelphia. Architects, Stuekert & Co.,
Crozer Building, Philadelphia. Owners, St.
Paul's Baptist Church, Rev. Edw. W. Johnson,
1302 North Twelfth street, Philadelphia. Con-
sists of general interior alterations. Archi-
tects taking bids, due May 26th. E. E. Hol-
lenback, Fifteenth and Race streets, is fig-
uring.

Residence (alt. and add.), 4102 Locust st.,
Philadelphia. Architects, Harris & Richards,
Drexel Building, Philadelphia. Owner's name
withheld. Brick, 3 stories, slate and tin roof,
hot water heating, pine floors. Architects
taking bids, due May 31st. The following
are figuring: H. E. Baton, Twelfth and San-
som streets; H. H. Burrell, 206 South Quince
street; J. Morris Daniels, 252 South Juniper
street; W. John Stevens, Wyncote, Pa.

Store Building, southeast corner Broad and
Girard avenue, Philadelphia. Architect, Frank
E. Hahn, 1114 Chestnut street, Philadelphia.
Owner, Clarence L. Marks, 6801 North Twelfth
street, Philadelphia. Brick, concrete and
terra cotta, stone, 2 stories, 23x161 feet, com-
position roof, steam heating, electric light-
ing, metal lath, ventilators, fireproof stair-
ways. Architect taking bids, due May 27th.
The following are figuring: Lam Building
Co., 1001 Wood street; Smith-Hardican Co.,
1606 Cherry street; I. T. Shoemaker, 1234
Walnut street; Freund-Siedenbach Co., Bulle-
tin Building; Thomas Little & Son, 1713 Mor-
avian street; Warren, Moore & Co., Commer-
cial Trust Building; A. Raymond Raff Con-
struction Co., 1635 Thompson street, Philadel-
phia.

Store (alts.), 217 South Broad street, Phila-
delphia. Architect, Charles Barton Keen,
Bailey Building. Owner, A. S. Brown, on
premises. Brick, 2 stories, consists of small
interior alterations. Plans about completed.
Architect will take bids in a few days.

Residence and Garage, Wakelin and Akron
streets, Philadelphia, \$20,000. Architects,
Lachman & Murphy, Witherspoon Building,
Philadelphia. Owner, W. H. Wolstencroft,
5019 Penn street, Philadelphia. Brick and
stone, 2 1/2 stories. Details not yet decided.
Plans in progress. Architects will take bids
in about two weeks.

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nova avenues, \$20,000. Architects, Simon & Bassett, 1114 Chestnut street, Philadelphia. Owner, William H. Margerison, Jasper and Huntingdon streets. Brick and plaster, 2½ stories, 30x50 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architects will take bids in a few days.

Sunday School, S. W. corner 29th and Lehigh avenue, Philadelphia, Pa. Architect, Armando D. Alcantara, 2962 N. Bailey street, Philadelphia, Pa. Owner, Calvary Reformed Church, Rev. F. H. Fisher, 2638 N. 29th street, Philadelphia, Pa. Stone and brick, 2½ story, 40x80 feet, slate roof, steam heating, electric lighting, tile work, damp-proofing. Owner and Architect taking revised bids due May 24th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; Henry P. Schneider, 3713 Old York road; Koelle Speth Co., 26th and Thompson streets; E. E. Hollenback, 15th and Race streets, and A. Raymond Raff Construction Co., 1635 Thompson street.

Residence and Garage, Stenton avenue, Chestnut Hill, \$10,000. Architects, Zant-zinger, Borie & Medary, 15th and Walnut streets, Philadelphia, Pa. Owner, Percival Drayton, 34 W. Gravers lane, Philadelphia, Pa. Frame, 2½ story, shingle roof, hot water heating, electric lighting, hard wood floors, tile work. Plans completed. Architects will take bids in a few days.

Society Building and Garage, 922 N. Broad street, \$60,000. Architect, Carl P.

Berger, 1418 S. Penn Square, Philadelphia, Pa. Owner, Penna. Society for Prevention of Cruelty to Animals, Frank B. Rutherford, Secty., 1627 Chestnut street. Brick, stone and terra cotta, 3 story, 160x38 feet, slag roof, reinforced concrete floors, metal lath, fire doors, ornamental iron, roof ventilators, tile work (heating and electric work, separate bids). Architect taking bids due May 31st. The following are figuring: Cramp & Co., Denckla Building; H. E. Batton, 12th and Sansom streets; R. E. Ballinger Co., 218 N. 13th street; H. L. Brown, 1714 Sansom street; Charles D. Burns, Drexel Building; Wm. R. Dougherty, 1610 Sansom street; Doyle & Co., 1519 Sansom street; George and Borst, 277 S. 11th street; D. Henwood, 1509 Wood street; Metzger & Fisher, Denckla Building; Jacob Myers Husler, Witherspoon Building; John McShain, 1610 North street; Geo. L. Sipps, 908 Locust street; H. H. Wehmeyer, 1005 Lehigh avenue; Chas. McCaul Co., 1713 Sansom street; Warren, Moore & Co., Commercial Trust Building.

School and Hall (addition), 29th and Dickinson streets, Philadelphia, Pa. Architects, E. F. Durang & Sons, Fuller Building, Philadelphia. Owner, St. Gabriel's R. C. Church, 29th and Dickinson streets. Stone and brick, 3 story, slate roof. Architects taking bids due April 28th. The following are figuring: Wm. J. McShane, 417 S. 13th street; Connoo Construction Co., Jacob Myers & Sons Co., Witherspoon Building.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Fire Tower and Toilet Rooms, Sixty-second and Cedar avenue, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, St. Carthage R. C. Church, Rev. P. J. O'Neill, on premises. Stone and steel, 3 stories, slate roof, fire doors, plumbing. Contract awarded to John McShain, 1610 North street, Philadelphia.

Machine Shop, Nicetown, Philadelphia, \$320,000. Architect, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Reinforced concrete, 1 story, 217x542 feet, slag roof, blower system of heating, fire doors, steel sash (electric work reserved). Contract awarded to Barelay White & Co., Perry Building, Philadelphia.

Power House, Ninth above Brown street,

Philadelphia, \$6,500. Architect, private plans. Owners, Powers-Weightman-Rosengarten Co., on premises. Brick, 1 story, 30x54 feet, slag roof, cement floors. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

Toilet Buildings (alt. and add.), Girard College, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, St. Girard Building, Lafayette Building. Stone, brick, concrete and steel, 1 story, slate roof, steam heating. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street, Philadelphia.

Bakery, Store and Restaurant, Fifty-second and Market streets, \$45,000. Architects, Neubauer & Boyd, 1118 Chestnut street, Phila-

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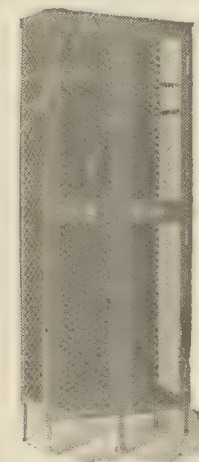
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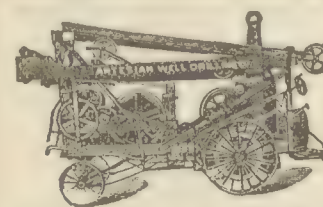
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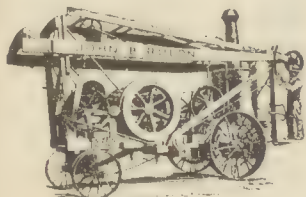
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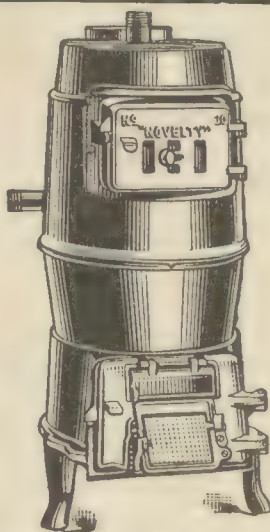
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American and Dauphin Sts.

Philadelphia. Owners, Baker's Bakery Co., Fifty-first and Media streets, Philadelphia. Brick and terra cotta, 2 stories, 112x60 feet, and 32x50 feet, slag roof, electric lighting, tile work, metal lath, dampproofing, maple floors (heating and store fixtures reserved). Contract awarded to Bailey Lush Co., 201 North Broad street, Philadelphia.

Parish House, High street, Germantown, \$25,000. Architects, George Natress & Sons, Twelfth and Walnut streets, Philadelphia. Owners, St. Michael's P. E. Church, Rev. Gilbert Pember, 244 High street, Germantown. Stone, 2½ stories, 38x103 feet, slate roof, pine floors (heating and electric work reserved). Contract awarded to Charles J. Appleton, Heed Building, Philadelphia.

Residence and Garage, Sixth street and Green lane, Oak Lane, Philadelphia. Architect, private plans. Owner, H. Perpall, Sixth and Sprin Garden streets, Philadelphia. Stone, 2½ stories, 45x27 feet, wing, 19x25 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work; garage, 1 story, 18x20 feet, hot air heating. Builders Wm. J. Gruhler & Co., 219 E. High street, Germantown, are taking sub-bids on all lines.

Service Building, northwest corner Broad and Cherry streets, \$500,000. Architect, Chas. E. Oelschlager, Harrison Building, Philadelphia. Owners, Gomery-Schwartz Motor Co., 253 North Broad street, Philadelphia. Reinforced concrete, brick and terra cotta, 10 stories, 137x180 feet, slag roof, steam heating, electric lighting, metal sash, safety treads, (4) elevators. Contract awarded to Cramp & Co., Denckla Building, who will take sub-bids in about three weeks.

Church (alts.), Eleventh and Lehigh avenue, Philadelphia. Architects, Chas. W. Bolton & Co., Witherspoon Building, Philadelphia. Owners, Gaston Presbyterian Church, Rev. Walter S. Greenway, 2717 North Twelfth street, Philadelphia. Brick and stone, 1 story,

electric lighting, waterproofing, cement work. Contract awarded to Chas. J. Appleton, Heed Building, Philadelphia.

Factory (alterations and additions), 1906 to 1912 N. 6th street, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, Pringle Electrical Mfg. Co., on premises. Brick, 3 story, slag roof, maple floors, fire doors (heating and electric work reserved). Contract awarded to Harry Gill, Jr., 2515 Germantown avenue.

Bakery (addition), 25th and Lombard streets, Philadelphia, Pa. Architects, Balingier and Perrot, 1700 Arch street, Philadelphia. Owner, R. C. Finch, President, New York Pie Baking Co., on premises. Brick, 2 story, slag roof, electric lighting. Contract awarded to P. Haibach Contracting Co., 26th and Thompson streets, Philadelphia.

Office Building, River road, Manayunk, Philadelphia. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Philadelphia Paper Manufacturing Co., on premises. Brick, plastered, 2 stories, 45x56 feet, slate and slag roof, electric lighting, maple floors, office partitions, tile work (heating reserved). Contract awarded to Keller Bros., Harmon road, Roxborough, Philadelphia.

Garage, Ruth and Clearfield streets, Philadelphia. Architect, private plans. Owners, Horace Linton & Bro., 3061 Ruth street, Philadelphia. Brick, 1 and 2 stories, 63x108 feet, slag roof, cement floors (heating, electric work and elevator reserved). Contract awarded to Stewart Bros., 2526 North Orkney street, Philadelphia.

Residence, Fifty-third and Wynnefield avenue, Philadelphia, \$6,500. Architect, private plans. Owner, P. E. Lenfesty, Wyncote, Pa. Hollow tile and plaster, 2½ stories, 29x38 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to J. Paul Emrey, 4907 Wynnefield avenue.

PENNSYLVANIA

Construction News

Twin Residence, Hyde Villa, Reading, Pa., \$4,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner,

Charles B. Ehling, Dauberville, Pa. Brick, 2½ stories, 14x45 feet, tin and slate roof, electric lighting. Plans in progress.

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High School, Kutztown, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. C. Bordner, Secretary, Kutztown, Pa. Brick and stone, 3 stories, 85x100 feet, slag roof, hot air heating, electric lighting, reinforced concrete floors. Plans completed. Owners ready for bids.

Knitting Factory, Mohrsville, Pa., \$12,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, James H. Wagner, Mohrsville, Pa. Reinforced concrete and brick, 1½ stories, 45x155 feet, slag and reinforced concrete roof, steam (low pressure) heating, electric lighting, reinforced concrete and maple floors, waterproofing and damp-proofing, elevator. Architect taking bids.

Residence, Wyomissing, Pa., \$4,500. Architect, J. E. Hickman, 119 South Seventh street, Reading, Pa. Owner, Robert H. Spotts, care of architect. Stone, 2½ stories, 25x32 feet, shingle roof, hot water heating. Architect taking bids, due June 1st.

Church, Sunday School and Parsonage, Palmerton, Pa., \$22,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Trinity United Evangelical Church, Rev. D. R. Hart, Palmerton, Pa. Brick and stone, 1½ and 2½ stories, 80x100 feet, slate roof, vapor heating, electric lighting, maple floors, waterproofing. Architect taking bids, due May 24th. The following are figuring: Frank G. Stewart, Inc., 1619 Sansom street, Philadelphia; Jacob Nagle, W. A. Stein & Co., Butz & Clader, and the Ochs Construction Co., all of Allentown, Pa., and the Beard Construction Co., Reading, Pa.

Residence, St. Davids, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Robert G. Wilson, 225 Dock street, Philadelphia. Stone, 2½ stories, 64x32 feet, slate roof, electric lighting, oak floors, tile work (heating reserved). Architect taking bids, due May 26th. The following are figuring: James H. Wells, Heed Building; W. O. Springer, 1624 Latimer street; Thomas C. Trafford, 1613 Sansom street; McClintock & Weaver, 24 Phil-Elena street, Philadelphia; Charles B. Palmer, Wayne, Pa., and J. D. Lengel, Wayne, Pa.

Residence (alt. and add.), Wynecote, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Thomas E. Brown, Wynecote, Pa. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Architects taking bids, due May 23rd. The following are figuring: Specht & Sperry, Heed Building; T. P. Conway & Co., East Willow Grove avenue; S. M. Fessmire, Glenside, Pa. Architects also taking sub-bids.

Office Building, Phoenixville, Pa. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owners, Phoenix Bridge Co., 410 Walnut street, Philadelphia. Concrete, brick, steel and stone, 2 stories, 80x50 feet, slag and copper roof, steam heating, electric lighting, metal lath, tile and marble work. Architects taking bids, due May 25th. The following are figuring: J. Sims Wilson Co., 1125 Brown street; H. E. Grau Co., 1707 Sansom street; F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Twin Residences (2), Bethlehem, Pa., \$11,-

000. Architect, A. P. Schultz, Bethlehem, Pa. Owners, Foern & Heller, Bethlehem, Pa. Hollow tile, stucco and shingle, 2½ stories, 30x50 feet, slate roof, hot air heating, electric lighting. Plans in progress.

Twin Residences (4), Edgeboro, Pa., \$22,000. Architect, A. P. Schulz, Bethlehem, Pa. Owners, Foernig & Heller, Bethlehem, Pa. Brick and stucco, 2½ stories, 30x50 feet, slate roof, hot air heating, electric lighting. Plans in progress.

Residences (40), Freemansburg, Pa., \$120,000. Owners, Miller & West, Bethlehem, Pa. Penn Tex brick, 2 stories, 32x38 feet, slag roof. Plans in progress.

Residence (alt. and add.), West Bethlehem, Pa., \$3,000. Architect, A. P. Schulz, Bethlehem, Pa. Owner, J. J. Shenk, Bethlehem, Pa. Brick, 2½ stories, 20x30 feet, slate roof, hot air heating, electric lighting, hardwood floors, damp-proofing. Plans in progress.

Double Residence, Bethlehem, Pa., \$8,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owners, Foernig & Heller, Bethlehem, Pa. Penn tex brick, hollow tile and stucco, 2½ stories, 40x56 feet, asbestos shingle roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Double Residence, Bethlehem, Pa., \$7,000. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, R. A. Schaeffer, Bethlehem, Pa. Brick and stucco, 2½ stories, 36x47 feet, slate roof, hot water heating, electric lighting, hardwood floors, waterproofing. Owner taking bids.

Residence, College Hill, Easton, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, E. E. Eichler, Easton, Pa. Brick, 2 stories, 33x40 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Owner is taking bids.

Silk Mill, Sunbury, Pa., 15,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owners, Susquehanna Silk Mills, Sunbury, Pa. Brick, reinforced concrete and steel, 5 stories, 96x210 feet, slag roof, steam heating, electric lighting, waterproofing and damp-proofing. Owners are sub-letting all contracts.

Residence, Wynnefield, Pa. Architect, P. J. Kluges, 1012 Walnut street, Philadelphia. Owner, A. C. Schwoerer, care of architect. Stone, 2½ stories, slate roof, hardwood floors (heating, electric work, plumbing and tile work reserved). Architect taking bids, due May 25th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; F. E. Wallace, 1220 Chancellor street; George Kessler Contracting Co., Drexel Building; J. Paul Emrey, Wynnefield, Pa., and H. C. Dahl, 231 South Eighth street, Philadelphia.

Hospital Building, Norristown, Pa., \$20,000. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owners, Charity Hospital of Montgomery County, Norristown, Pa. Brick and stone trimmings, 2 stories, steam heating, electric lighting. Plans in progress.

Residence, Springfield, Pa. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Mrs. Bessie R. Kurtz, care of architect. Stone and plaster, 2½ stories, 26x37 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Architect taking bids, due May 24th. The following

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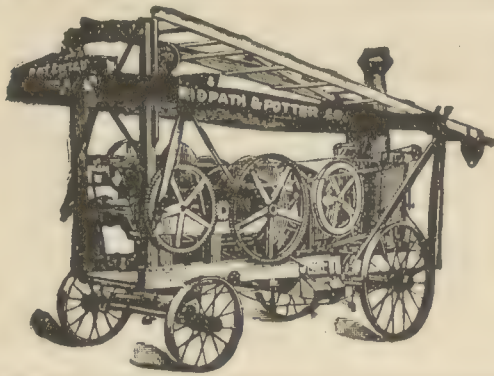
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are figuring: W. Harry Roberts, Ardmore, Pa.; J. Howard Roberts, Lansdowne, Pa.; Flounders Bros., Media, Pa.; Thomas F. Manley, Clifton Heights, Pa.; Edward W. Winterbottom, Clifton Heights, Pa.; B. R. Parker, Glenolden, Pa.

Parochial School (alt. and add.), Jenkintown, Pa. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, R. C. Church of the Immaculate Conception, Rev. John E. Cavanagh, Jenkintown, Pa. Stone or hollow tile and plaster, one additional story, roof ventilators, maple floors, electric lighting, asbestos tile roof. Architects taking bids, due May 30th. The following are figuring: Thomas Quinn, Ogontz, Pa.; Anthony Horan, Jenkintown, Pa.; John W. Hohlefelder, Jenkintown, Pa.

Residence (alt.), Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut st., Philadelphia. Owner, Mrs. E. C. Kirke, Lansdowne, Pa. Consists of general alterations. Architects have received bids.

Church and Parochial School, Harrisburg, Pa., \$55,000. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Lawrence's R. C. Church, Rev. P. S. Huegel, 111 Short street, Harrisburg, Pa. Stone, 1 and 2 stories, 115x60 feet and 40x60 feet, slate roof, electric lighting, metal lath, roof ventilators, tile work, slate blackboards (heating reserved). Architect taking bids, due May 26th. In addition to those previously reported, eBard Construction Co., Reading, Pa., is figuring.

Stores (4) and Apartments, Springfield, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building. Brick and plaster, 2½ stories, 50x100 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residences (5), Springfield, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building, Philadelphia. Stone, brick and plaster, 2½ stories, slate and tile roofs, hot water heating, electric lighting, oak floors, tile work. Plans in progress.

High School, Nesquehoning, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Mauch Chunk Township, School District, Nesquehoning, Pa. Brick, stone and terra cotta, 2 stories, 82x154 feet, asbestos roof, metal lath, safety treads, concrete and hollow tile floors, marble work, roof ventilators, maple floors, kalamein doors, dumb waiter, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due June 1st. The following are figuring: Thomas Brothers, Nesquehoning, Pa.; Andrew Breslin, Summit Hill, Pa., and George H. Keefer, Mt. Carmel, Pa.

Church, Pen Argyl, Pa., \$15,000. Architect, E. H. Wenzelberger, Easton, Pa. Owners, First Presbyterian Church, Rev. A. P. Mershon, Pen Argyl, Pa. Stone, 1½ stories, 48x50 feet, slate roof, steam heating, electric lighting, metal lath, waterproofing. Owners taking bids.

Residences (2), Narberth Pa. Architect, private plans. Owner, Alan G. Smith, 6490 Woodbine avenue, Philadelphia, Pa. Stone and frame, 2½ story, 24x30 feet each. Plans in progress. Owner will take sub-bids.

Residence, Oakmont, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia, Pa. Owner, Melvin Detwiler, care of Architect. Brick and plaster, 2½ story, 24x40 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Residence and Garage, Haverford, Pa., \$50,000. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Mrs. A. Atwater Kent, Haverford, Pa. Stone, 2½ stories, 43x123 feet; two wings, 33x33 feet and 23x38 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architects taking bids, due June 1st. The following are figuring: George & Borst, 277 South Eleventh street; Metzger & Fisher, Denckla Building; R. C. Ballinger & Co., 218 North Thirteenth street; Thomas M. Seeds, Jr., Co., 1207 Race street; Milton W. Young, Overbrook, Philadelphia; E. J. Hedden, Finance Building; J. P. Thompson, Real Estate Trust Building; Pomeroy Construction Co., 1609 Ranstead street; William R. Dougherty, 1610 Sansom street; A. L. Fretz & Son, 1222 Chancellor street.

56x33 feet, slate roof, hot water heating, electric lighting. Contract awarded to L. M. Jones, Catasauqua, Pa.

Bungalow, Ninth avenue, West Side, Bethlehem, Pa., \$8,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, A. M. Weingartner, on premises. Stone, brick and stucco, 1½ stories, 40x67 feet, asphalt shingle roof, vapor heating, electric lighting, tile and hardwood floors, metal lath. Contract awarded to C. H. Stout & Co., Bethlehem, Pa.

Residence, Easton, Pa., \$13,000. Architect, W. M. Michler, Easton, Pa. Owner, William Prellwitz, Easton, Pa. Brick and stucco, 2½ stories, 48x33 feet, slate roof, steam heating. Contract awarded to William Snyder, Easton, Pa.

Bungalow, Butter lane, Lower Alsace Township, Pa., \$2,500. Architect, J. Earle Hickman, 119 South Fifth street, Reading, Pa. Owner, Winfield Loose, 121 North Greenwich street, Reading, Pa. Stone, 1½ stories, 22x25 feet, kaloroide roof, hot air heating, electric lighting. Contract awarded to C. D. Wentzel, Reading, Pa.

School, Tipton, Pa. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owners, Lutheran Orphans' Home, Tipton, Pa. Brick, 2 stories, 32x70 feet and 13x18 feet, slate roof, steam heating, electric lighting. Contract awarded to W. H. Wiand, Pottstown, Pa.

Factory, Reading, Pa. Architect, Fred Muchlenburg, 706 Colonial Trust Building, Reading, Pa. Owners, Pennsylvania Optical Co., H. L. Miller, general manager, Reading, Pa. Reinforced concrete and brick, 4 and 1 stories, 229x93 feet, asbestos or slag roof, metal lath, waterproofing, steel sash, fire doors, safety treads, yellow pine floors, roof ventilators (plumbing, heating, electric work, elevators and dumb waiters reserved). Contract awarded to John Wickersham, Lancaster, Pa.

Golf Club House, Ardmore road near P. & W. R. R. Station. Architect, D. K. Boyd, 15th and Walnut streets, Philadelphia, Pa. Owners, Golf Association, Merion Cricket Club, on premises. Consists of general alterations and additions. Contract awarded to W. D. Smedley, Narberth, Pa.

School Building, Treverton, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, James A. Scott, secretary, Treverton, Pa. Brick, stone trimmings, 2 stories, 95x120 feet, slate roof, slate blackboards (heating, plumbing and electric work separate bids). Contract awarded to George H. Keefer, Mt. Carmel, Pa.

Store Buildings (3), Chester, Pa. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, H. M. McCoy, Spencer Stationery Co., and Sweeney & Clyde, Chester, Pa. Brick and terra cotta, 2 stories, 64x90 feet, slag roof, vapor heating, electric lighting, pine floors, waterproofing, tile and marble work, roof ventilators, composition floors. Contract awarded to Flounders Brothers, Media, Pa. (Note change in contractor.)

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

PENNSYLVANIA Contracts Awarded

Twin Residence, West Bethlehem, Pa., \$8,500. Architect, A. P. Schulz, Bethlehem, Pa. Owner, George A. Meyers, Bethlehem, Pa. Brick, stucco and weatherboard, 2½ stories,

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Residence, Merchantville, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, George Ostermayer, Merchantville, N. J. Hollow tile and plaster, 2½ stories, 25x45 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans completed. Architect will take bids in a few days.

Church and Sunday School, New Brunswick, N. J., \$50,000. Architect, Alexander Merchant, 363 George street, New Brunswick, N. J. Owners, St. John's German Evangelical Reformed Church, New Brunswick, N. J. Stone and brick, 1 and 2 stories, 58x130 feet, slate roof, steam heating, electric lighting, metal lath, dampproofing, tile and marble work, yellow pine floors. Architect taking bids, due June 1st. In addition to those previously reported, Thomas C. Trafford, 1613 Sansom street, Philadelphia, and H. P. Schneider, 3715 Old York road, Philadelphia, are figuring.

Power House, Trenton, N. J., \$85,000. Architect, Geo. S. Drew, State Capitol Building, Trenton, N. J. Owners, N. J. State Hospital, Warden Samuel T. Atchley, Trenton. Brick, 1 story, 44x71 feet, and 24x24 feet, slag roof, steam heating, electric lighting, concrete floors, concrete hardener, 150 foot brick stack. Plans completed. Architect ready for bids.

Fire House (add.), Morris Plains, N. J., \$10,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State Hospital for Insane, Morris Plains, N. J. Brick and stucco, 2 stories, 42x34 feet, steam heating, slate roof, electric lighting, reinforced concrete floors, metal lath, waterproofing and dampproofing. Owners will readvertise for new bids.

Store and Apartment, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, Harry Vine, 324 Calhoun street, Trenton, N. J. Brick, 3 stories, slag roof, steam heating, electric lighting. Architects have received bids.

Restoring Barracks, Trenton, N. J., \$15,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State House Commission, Trenton, N. J. Brick and stone, 2 stories. Plans in progress.

Factory, Federal street, Trenton, N. J., \$50,000. Architect, private plans. Owners, American Bridge Co., Trenton, N. J. Steel and concrete, 1 story, 30x400 feet, corrugated iron roof, electric lighting. Owners are subletting all contracts.

Residence, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, David S. South, 145 E. Hanover street, Trenton, N. J. Brick, 2½ stories, 34x56 feet, slate roof or tile roof, vapor heating, gas and electric lighting, hardwood floors, tile work. Architects have received bids.

Church (alt. and add.), Merchantville, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Trinity M. E. Church, Merchantville, N. J. Stone, 1 story, slate roof, steam heating, electric lighting. Architect has received bids.

Factory (add.), Audubon, N. J. Architect, private plans. Owners, Audubon Wire Cloth Co., Audubon, N. J. Concrete blocks, 1 story, 60x0 feet, slag or ruberoid roof. Owners have received bids.

Residence, South Orange, N. J., \$20,000. Architect, E. B. Delk, 34 S. 17th street, Philadelphia, Pa. Owner, Jacob E. Heyl,

421 Chestnut street, Philadelphia. Hollow tile and plaster, 2½ story, 56x25 feet, wing, 20x17 feet, slate roof, vapor steam heating, electric lighting, oak floors, tile work (metal weatherstrips reserved). Architect taking bids due May 26th. Eugene Tourison, 1001 Chestnut street, Philadelphia, is figuring.

Cottage, Stone Harbor, N. J. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Mrs. G. Brook, Stone Harbor, N. J. Frame and stucco, 2 story, 18x38 feet, shingle roof. Plans in progress.

Casino and Amusement Building, 98th and New Boardwalk, Stone Harbor, N. J. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia, Pa. Owner, Dr. S. E. Watkins, Stone Harbor, N. J. Frame, 1 story and balcony, 64x80 feet, shingle roof, electric lighting, wood floors. Plans in progress.

Apartment House, East Orange, N. J. Architects, Harde & Hasselman, 56 W. 45th street, New York City. Owner, Samuel W. Traylor, Allentown, Pa. Reinforced concrete, brick and steel, 9 stories, 170x95 feet, tile roof, hollow tile fireproofing, electric lighting, metal lath, electric elevators, ventilators, tile and marble work (heating reserved). Owner taking bids due May 31st. Metzger & Fisher, Denckla Building, Philadelphia, are figuring.

Residence, Delancey place and beach, Atlantic City, \$18,000. Architect, Seward G. Dobbins, Atlantic City, N. J. Owner, Mrs. Emily C. Califf, Atlantic City, N. J. Hollow tile and stucco, 3 stories, 32x52 feet, slate roof, hot water heating, electric lighting, tile, composition and hardwood floors, waterproofing and dampproofing. Plans in progress.

Banking House, Pennsgrove, N. J., \$20,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, People's Bank of Pennsgrove, Pennsgrove, N. J. Stone, 2 stories, irregular, slag roof, hot water heating, combination lighting, tile and hardwood floors, metal lath, dampproofing. Architects ready for bids.

School Building, Riverview, N. J. (Upper Penn's Neck Township). Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, School Board of Upper Penn's Neck Township, N. J. Brick and stone, 2 stories and basement, 90x60 feet, slag roof, combination lighting, hardwood floors, metal lath, dampproofing. Owners taking bids, due June 15th.

Business Block, Pennsgrove, N. J., \$9,500. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, L. W. Cook, Pennsgrove, N. J. Hollow tile and stucco, 2 stories, 60x40 feet, slag roof, hot water heating, combination lighting, hardwood floors, waterproofing and dampproofing. Architects taking bids, due May 25th. The following are figuring: H. H. Hankin & Bro., Bridgeton, N. J.; Winchester Bonham, Wildwood, N. J.; Joseph E. Peterson, Clayton, N. J.; R. Hays, Pennsgrove, N. J.; Ponter & Michael, Pennsgrove, N. J.

Nurses' Home and Hospital (add. and alt.), Bridgeton, N. J., \$15,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Bridgeton Hospital, Bridgeton, N. J. Brick, 2 stories, 30x60 feet, slag roof, hot water heating, electric lighting, composition floors, waterproofing, dumb waiter, laboratory. Plans in progress.

Garage, Bridgeton, N. J., \$8,000. Architects, Custer & Seltzer, 304 Market street,

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Camden, N. J. Owner, Joseph Elwell, Bridgeton, N. J. Brick and steel, 1 story, 50x100 feet, concrete and slag roof, steam heating, electric lighting, concrete floors, metal sash, ventilators. Plans in progress.

Bungalow, Stone Harbor, N. J. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Dr. Frederick W. Allen, Flanders Building, Philadelphia. Frame and stucco, 1½ stories, 24x30 feet, shingle roof, hot air heating, electric lighting. South Jersey Realty Co., Real Estate Trust Building, Philadelphia, will take bids.

Bungalows (2), Stone Harbor, N. J. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Harry P. Koster, Trenton, N. J. Frame, 1 story, 17x57 feet, shingle roof, hot air heating, electric lighting. Plans in progress.

Residence, Clementon, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Palmer Earle, Clementon, N. J. Frame and stone, 2 stories, 34x34 feet, shingle roof, steam heating, electric lighting, tile and hardwood floors. Plans about completed. Will take bids in about one week.

Store (alt.), Bridgeton, N. J. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, D. Garfield, Bridgeton, N. J. Mill work, interior alterations. Architects taking bids, due May 23rd. George Maier & Bro., Grossepup & Sons and Paul Bateman, all of Bridgeton, N. J., are figuring.

School Building, Vineland, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Vineland, N. J. Brick, 2 stories, 40x65 feet, slag roof, steam heating, electric lighting, slate blackboards. Plans in progress. Owners will take bids in about two weeks.

School (add.), Vineland, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Vineland, N. J. Brick, 2 stories, slag roof, steam heating, electric lighting, slate blackboards. Plans in progress. Owners will take bids in about two weeks.

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

NEW JERSEY Contracts Awarded

Residence, Princeton, N. J., \$5,000. Architect, H. A. Hill, 40 E. State street, Trenton, N. J. Owner, Prof. Max F. Blau, 27 Bank Place, Princeton, N. J. Frame, 2 stories, 26x40 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Valentine Frohling, Princeton, N. J.

Residence (10), Cuyler avenue, Trenton, N. J., \$20,000. Architect, private plans. Owners, Case & Cain, Forst Richey Building, Trenton, N. J. Frame and brick, 2½ stories, 14x38 feet, slate and tile roof, hot water heating, electric lighting. Contract awarded to Ed. A. Lee, 511 Tyler street, Trenton, N. J.

Chapel, Jersey City, \$15,000. Architect, Walter Hankin, 28 Delaware View avenue, Trenton, N. J. Owners, St. Stephens P. E. Church, Rev. S. E. Sweet, Jersey City, N. J. Brick, 1 story, 50x85 feet, slate roof, steam heating, electric lighting, maple floors, metal lath, dampproofing. Plans in progress. Architect will take bids in about three weeks.

Acid Plant, Paulsboro, N. J., \$20,000. Architect, private plans. Owners, Harrison Bros. & Co., Thirty-fifth and Grays Ferry road, Philadelphia. Brick, steel and concrete, 1

story. Contract awarded to Bailey-Lush Co., 201 North Broad street, Philadelphia.

Bungalow, Ventnor avenue and Madison Place, Ventnor, N. J. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Mrs. Maud M. Neel, Ventnor, N. J. Brick and frame, 1½ stories, 40x33 feet, asphalt shingle roof, electric lighting, hot water heating. Contract awarded to C. B. Thompson, Atlantic City, N. J.

Residence (alterations and additions), & Garage, Riverton, N. J. Architect, Walter H. Thomas, 130 S. 15th street, Philadelphia, Pa. Owner, J. Carl De La Cour, Riverton, N. J. Stone, 2½ story, shingle roof (heating reserved). Contract awarded to Joseph H. Smith & Co., Riverton, N. J.

Garage, 1517 Pacific avenue, Atlantic City, N. J., \$15,000. Architect, Seward G. Dobbins, Atlantic City, N. J. Owner, A. H. Generotzky, Atlantic City, N. J. Brick and reinforced concrete, 2 stories, 50x147 feet, slag roof, electric lighting, reinforced concrete floors. Contract awarded to H. G. Scull, Sheen Building, Atlantic City, N. J.

Miscellaneous Construction News

College Building, (remodeling), Newark, Del., \$75,000. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware State College, Newark, Del. Stone and brick, 2 stories, asbestos shingle roof, electric lighting, reproof floors, metal lath. Plans about completed. Architects will take bids in one week.

Residences (6), Wilmington, Del., \$24,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Brick, 2½ stories, 20x45 feet each, tile, slate and tin roof, vapor heating, tile work, hardwood floors. Architect has received bids.

Shool, Camden, Del., \$24,000. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care D. T. R. Brown, Equitable Building, Wilmington, Del. Brick, 2 stories, 88x83 feet, slag roof, steam heating. Owners taking bids, due May 29th.

Bank and Office Building, Wilmington, Del., \$1,000,000. Architects (probably), Carrere & Hastings, 52 Vanderbilt avenue, New York

City. Owners, Delaware Trust Co., Alfred I. Dupont, President, Wilmington, Del. Brick, stone and steel, fireproof, 15 stories, 70x210 feet. Details not yet decided. Plans will soon be started.

College Buildings (3), Wellesley, Mass., \$750,000. Architect, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Wellesley College, Wellesley, Mass. Brick and stone, fireproof, 2 and 3 stories, consists of administration building, liberal arts building and science building, slate roofs, electric lighting, steam heating, tile and marble work, metal lath. Plans in progress.

Department Store (alt. and add.), Wilmington, Del. Architect, private plans. Owners, Braunstein Bros., Inc., Wilmington, Del. Brick, 4 stories (one additional story), slag roof, steam heating, electric lighting, metal lath, maple floors, ornamental iron work, metal sash, marble work, kalamein doors, tile work. Builder H. E. Baton, Twelfth and Sansom street, Philadelphia, taking sub-bids.

MARYLAND Construction News

Apartment House, University Parkway and Roland avenue, \$85,000. Architect, Edw. L. Palmer, Munsey Building, Baltimore, Md. Owner, Kensington Apartment Co., Howell H. Thomas, Calvert Building, Baltimore. Brick, 4 story, slate roof, steam heating, electric lighting, tile work. Plans in progress.

Lodge Building and Stores, Charles and Preston streets, Baltimore, \$175,000. Architect, Clyde N. Fritz, Munsey Building, Baltimore. Owner, Knights of Pythias, Richard L. Lee, Chairman, 232 St. Paul street, Baltimore, Md. Stone and terra cotta, 5

story, 85x150 feet, roof not decided, steam heating, electric lighting, elevators. Plans in progress. Too early for details.

Store Building, 220-222 N. Howard street, Baltimore, Md., \$40,000. Architects, Baldwin & Pennington, 330 N. Charles street, Baltimore, Md. Owners, Safe Deposit & Trust Co., 9-11-13 South street, Baltimore, Md. Lessees, Cohen & Hughes, 315 N. Howard street, Baltimore, Md. Brick, 5 story, 30x71 feet, slag roof, steam heating, electric lighting, elevator, tile work. Plans about completed. Architects ready for bids.

Lodge Building, Annapolis, Md. Archi-

tect, R. Malcom Hunter, Annapolis, Md. Owners, B. P. O. E., No. 622, W. N. French, Chairman, Annapolis, Md. Brick and concrete, 2 story, 45x64 feet, slag roof, hot water heating, electric lighting, damp-proofing, reinforced concrete floors, metal ceilings. Architect taking bids due May 29th. The following are figuring: Henry S. Rippel, 7 Clay street; J. J. Stehle, Annapolis, Md.; Carlson & Girscom, Annapolis, Md.; Singer-Pentz Co., Equitable Building, Baltimore, Md., and E. E. Parkinson, Annapolis, Md.

Store and Apartments (alterations and additions), St. Paul and 21st streets, Baltimore, Md. Architect, Walter M. Gieske, Gunther Building, Baltimore, Md. Owner, Miles E. Mixson, on premises. Brick, 4 story, tin roof, tile and marble work (heating, plumbing and electric work and store fixtures reserved). Architect taking bids due May 26th. The following are figuring: Edw. Watters & Co., 509 N. Charles street; Blake & Engle, Law Building; L. Schoenlein, 306 St. Paul street; Jos. Schamberger & Sons, 2122 E. Baltimore street; Fred Decker & Sons, 1209 E. Biddle street; W. T. Childs, 14-16 W. 20th street, Baltimore, Md.

Pier and Bulkhead, foot of 4th street, Canton, Md. Architect, private plans. Owner, Canton Company, Commerce and Water streets, Baltimore, Md. Concrete and timber, 77x600x500 feet. Contract awarded to Sanford & Brooks, Commerce and Water streets, Baltimore, Md.

Residence (alterations and additions), Cold Spring road and Hawthorn road, Roland Park, Md. Architect, Walter M. Gieske, Gunther Building, Baltimore, Md. Owner, F. R. V. Williams, President, Finance & Guaranty Co., Calvert and German streets, Baltimore, Md. Consists of general interior and exterior alterations and additions, new wing, porches, hot water heating, plumbing, garage, frame, 1 story. Contract awarded to Roland Park Co., Roland Park, Md.

Proposals

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 11, 1916.—Sealed proposals will be opened in this office at 3 p. m., June 15, 1916, for the construction, complete, of the United States post office at South Boston, Va. Drawings and specifications may be obtained from the custodian of site at South Boston, Va., or at this office, in the discretion of the Supervising Architects. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 20, 1916.—Sealed proposals will be opened in this office at 3 p. m., June 22, 1916, for the construction, complete, of the United States post office at Rumford, Me. Drawings and specifications may be obtained from the custodian of site at Rumford, Me., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.



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PHILADELPHIA, PA., MAY 24, 1916.

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Editorial Comment

The Philadelphia papers devoted space, on Sunday last, to laudatory notices of the Philadelphia Art Alliance, a new organization, the primary object of which seems to be the advancement of Philadelphia as an art center.

"Just what the Philadelphia Art Alliance means to Philadelphia when once it has become a more established organization is a question that is now uppermost in artistic circles in this city," runs one of these notices. "Many cities interested in the project are sending inquiries regarding the movement, which has become one of national interest, and with the completion of the plans under way, Philadelphia will undoubtedly be recognized as the art centre of America."

"Many cities, such as New York, Chicago, and other representative communities, have taken hold of the idea, and have been working at it from different angles, but none has arrived at the point of co-operation that has developed here. In a nutshell, the Philadelphia Art Alliance is an organization that has been formed by the city's most representative citizens to provide an art centre, or market place, for works of art to meet the needs of the community."

Very good. A little further on in the article we learn that:

"A large site on Rittenhouse Square is the proposed location where a beautiful and modern building will be erected, equipped to aid artists in their various lines of work. This will do away with commercial agencies, it is hoped. The building, which is being planned by a firm of Boston architects, will contain a modern art theatre, a foyer, art gallery, auditoriums, rehearsal and lecture rooms, restaurant and club rooms for the use of members, a roof garden, accommodations for the organizations allied with it, and, in fact, secure to all those interested in music, drama, literature, painting, sculpture or the allied arts, better provision for them on a self-supporting basis."

Again very good. But, why "a firm of Boston architects"?

Why, in a city as deservedly famous as Philadelphia for the skill and originality of its architectural designers, why call in "a firm of Boston architects"?

If the object of the Alliance is to assist the development of Philadelphia as an art center, by what process of reasoning did its promoters arrive at the decision to have the home of the Alliance designed elsewhere?

Why not a firm of Philadelphia architects? Why Bostonize right at the start what is apparently intended to be a Philadelphia proposition exclusively?

* * *

The tendency of the factory builder to disregard the architectural graces for the purely utilitarian side of his project is not a new

one. Complaint has been more than once heard to the stark, bare, box-like structures going up here and there over the country under the name of industrial buildings. The average hard-headed owner seems to be utterly unable to grasp the fact that a factory building can be made attractive without material impairment of its usefulness and at very slight additional first cost.

This type of structure is one of the things that they do better abroad, where the factory is as much the work of the competent designer as the villa, the city residence or the more showy order of commercial edifice. Commenting upon the growing tendency of American industrialists to build with an eye wholly to the practical, "The American Architect" observes:

"The importance of right planning, safe construction, sanitary equipment and economical operation of industrial buildings is beyond question, but when these matters alone have received the attention and study which they deserve and the esthetic possibilities of structure and materials have been neglected or overlooked, an opportunity for education in the higher sense has been wasted. Industrial buildings are increasing in numbers in the country so rapidly that their influence as educational factors, either for good or evil, depending upon their design, is too great to be overlooked.

"In some communities the industrial structures are more numerous, are more frequently viewed by the inhabitants, and are looked upon as of greater significance than are those of any other type. Can it be doubted that under such circumstances their influence is greater than that of a few relatively unimportant municipal or public buildings, or even the houses in which the majority of the people live?

"In short, if the public is to be educated to an appreciation of good architecture in this country, too much attention cannot be given to the design of the buildings, and among them the industrial building is annually becoming a greater factor and influence. It is believed that once the importance of the 'factory' in the campaign for better art now being waged by architects and others of education and culture is fully appreciated, the industrial buildings of this country will take on a character and appearance comparable with those of some European countries that have attracted the favorable attention of all visitors abroad."

* * *

The National Fire Protection Association, which assembled in Chicago for its twentieth annual meeting on May 9, called attention to the disastrous fires of the past few months which destroyed whole sections of cities in the South and elsewhere and which further emphasize the need for better building con-

struction and the avoidance of wooden shingle roofs and other combustible materials in the exterior of buildings.

The association heartily commends the growing movement for city planning as likely to produce better conditions as to building heights and congested areas, and provide the open spaces and broad avenues, which, beside their human and esthetic values, are excellent checks to sweeping fires.

In its warfare against the needless sacrifice of human lives and property by fire the association advocates the following measures:

1. The adoption by municipalities of the Standard Building Code of the National Board of Fire Underwriters to the end that fire resistive building construction may be encouraged, the use of inflammable roof coverings prohibited, adequate exit facilities from buildings assured, and interiors so designed and fire-stopped as to make easy the extinguishment of fires therein.

2. The adoption by all States of minimum building requirements for the protection of State and County hospitals, asylums and similar institutions outside city limits and of small communities in which the establishment and enforcement of a building code is impracticable.

3. The enactment by each State of the fire marshal law advocated by the Fire Marshals' Association of North America to the end that official investigation may be made of the causes of all fires, preventable fires may be eliminated by public education, and the crime of arson stamped out.

4. The adoption of the association's suggested ordinance providing for the systematic inspection of all buildings by city fire marshals or local firemen to insure the vigorous enforcement of rules for cleanliness, good housekeeping, and the maintenance of safe and unobstructed exits, fire-fighting apparatus and other protective devices.

5. The enactment of ordinances similar to that of Cleveland, Ohio, fixing the cost of extinguishing preventable fires upon citizens disregarding fire prevention orders, and a more general legal recognition of the common law principle of personal liability for damage resulting from fires due to carelessness or neglect.

6. The wider general use of the automatic sprinkler as a fire extinguishing agent and life saver and the more general adoption of the fire division wall as an important life saving exit facility.

7. A careful study of the technical surveys of cities made by the engineers of the Committee on Fire Prevention of the National Board of Fire Underwriters covering the items of water supplies, their adequacy and reliability, fire department efficiency, fire alarm systems and conflagration hazards; and of the possibility of co-operation among neighboring cities through mutual aid and the standardization of hose couplings.

8. The adoption of the association's suggested laws and ordinances for State and municipal regulation of the transportation,

storage and use of inflammable liquids and explosives.

9. The universal adoption and use of the safety match and legislation prohibiting smoking in all parts of factories, industrial and mercantile buildings except in such fire-proof rooms as may be especially approved for the purpose by fire departments.

10. The education of children and the public generally in careful habits regarding the use of fire.

* * *

It is announced that at the conclusion of the exhibition of the Allied Artists in the Fine Arts Building, 215 West Fifty-seventh street, New York, the galleries of the National Academy of Design in the building will be used to display models of the features of the American Versailles. This is the \$33,000,000 project which architects, artists and sculptors are planning to carry out at Port Washington, L. I., in an adaptation of Louis XIV.'s famous chateau and gardens.

The galleries will be transformed into an atelier and meeting place for the various art committees. They will also be used for the exhibition of models of sculpture and studies for mural decoration by the sculptors and artists connected with the work. The detailed plans of the various edifices, by Carriere & Hastings, the architects, will be shown and much of the draughting and engineering staff of the firm will be transferred to the Fine Arts Building, where the working out of the details will be done under the personal direction of Thomas Hastings and Owen Brainard, of the firm.

The sculptors connected with the creation of the Dominion of Versailles will set up the models of their various fountains in one of the galleries. The preliminary models of the three great fountains which are to be created by Frederick Macmonnies, Paul Bartlett and Robert Aitken will be assembled there by these famous sculptors.

Mural painters will also place on exhibition in the galleries their studies and sketches for the interior decoration of the chateau, the club house and other edifices. Mural paintings will form a noteworthy feature and will be executed by the most famous artists in America. The committee in charge of all interior and mural decorations comprises J. Alden Weir, president of the National Academy of Design; Edwin Blashfield, Frank V. Dumond and Jules Guerin.

Those interested in the progress of the enterprise will be able to see it grow in this great artistic workshop. Last week a plaster model of the great chateau was added to the exhibition, confined at present to one room. As fast as they can be finished models of other buildings will be added, so that the entire conception will be visualized in relief.

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

TRADE NEWS AND GOSSIP.

**The Pennsylvania Wire Glass Company, of Philadelphia, has moved its New York office from 70 Fifth avenue to 20 West Thirty-fourth street.

**The Kerner Incinerator Company, Milwaukee, Wis., has moved its Eastern office from 30 East Forty-second street to 351 Lexington avenue, New York.

**It is announced that the twenty-eighth annual convention of the National Association of Master Steam and Hot Water Fitters will be held in Atlantic City, Wednesday to Saturday, June 21-24, inclusive, with headquarters at the Hotel St. Charles. This hotel has been recently remodeled and an extensive 13-story addition built in front directly facing the boardwalk.

**The fact that the National Association of Master Plumbers is to hold its annual convention June 19-22 also at Atlantic City, at The Breakers (formerly the Hotel Rurolf), directly across the street from the St. Charles, will add greatly to the attendance and interest at both conventions, as well as provide the opportunity for co-operation of the two associations on projects in which both are interested, such as the separation of heating and plumbing from general contracts.

**The U. S. Mineral Wood Company has moved its New York office from 140 Cedar street to the Foster Building, 280 Madison avenue.

**H. B. Smith Company, steam heating apparatus, will move its New York office and show room from 39 East Houston street to 10 East Thirty-ninth street.

**Buchartz Fireproofing Company, Inc., has moved its offices from 17 Battery place to Suite 1318, Havemeyer Building, 26 Cortlandt street, New York.

**Youngstown Sheet and Tube Company, of Youngstown, Ohio, has recently purchased the stock of the Andrews & Hitchcock Iron Company, acquiring the furnace plant of that company at Hubbard, Ohio, together with a large acreage of coal and 12 per cent. interest in the Mahoning Ore Company. The acquisition of this property will increase the annual production of pig iron by more than 1,000,000 tons.

**Directors of the Cleveland Builders' Exchange announce the coming removal of the organization from its present quarters on the third floor of the Chamber of Commerce Building to the third floor of the Rose Building, at Ninth street and Prospect avenue.

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Even the best piece of machinery gets a hot bearing once in a while.—Ex.

One way to escape the income tax is to quit advertising and do less business.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Fred & Jno. Wagner (O), Bridge and Cottage streets. Ben. Kelbach & Sons Co. (C), 4608 Richmond street. Two dwellings, \$5,000. Brick, 16x52 ft., 2 story, slag roof, hot water heat, 1928 and 1930 Bridge street.

J. W. Stafford (O and C), 1112 Chestnut street. Tenement house, \$550,000. 14 stories, concrete, brick and stone, 42x166.7 ft., tile and slag roofing, steam heating, fire tower, N. W. cor. 13th and Spruce streets.

George Flint (O), Ridge avenue and Walnut lane. William H. Eddleman & Sons (C), Glenside, Pa. \$13,000. Dwelling, stone, 48.8x48.7 ft., 2 story, tile roof, steam heat, northwest corner Walnut lane and Ridge avenue.

John W. De Long (O), Cheltenham avenue and Morris street. Isaac Vankirk (C), Lincoln drive and Spinger street, Germantown. \$20,000. Dwelling and garage, stone, 54x146 ft., 2 stories, slate roof, hot water heat, southwest corner Cheltenham avenue and Pulaski avenue.

John W. De Long (O and C), Cheltenham avenue and Morris street. \$6,000. Dwelling, brick, 60x36 ft., 2 story, wood roof, steam heat, east side Morris street, north of Cheltenham avenue.

J. Shoemaker (O), Roxborough and Manayunk avenues. Elmer L. Cuthbertson (C), 334 Roxborough avenue. \$14,100. Dwelling, 16x59.4 ft., brick, 2 story, tin and slag roof, hot water heat, south side Roxborough avenue, 120 ft. west of Manayunk avenue.

Henry Pedman (O), 3339 N. Bouvier street. Joseph Spector (C), 316 Mifflin street. \$2,400. Dwelling, 16.4x47 ft., 2 story, brick, hot water heat, Cottman & Claridge streets.

Frederick Bahler (O), 5039 Aspen street, Sheen & Gill (C), 450 N. Wilton street. Dwelling, brick, 16x42 feet, 2 story, slag roof, hot water heat, 5040 Brown street.

Calvin W. Roger (O and C), 237 S. 49th street. Cost, \$52,000. Dwellings, 2 story, gravel roof. Hot water heat. Ten dwellings, 14.5x42 feet, west side 54th street, south of Hadfield street. Eight dwellings, 16x34 feet, east side 54th street, south of Malcom street.

E. Goodwin (O), Germantown avenue and Gravers lane. Jas. J. Dobbin (C), 8341 Germantown avenue. Cost, \$7,500. Dwellings, two, 16.4x50 feet, slate roof, hot water heat, north side of Meade, 240.9 1/4 feet east of Ordsby street.

Geo. King & Bro. (O), 24th and Fox streets. J. G. T. Miller (C), 2315 W. Clearfield street. Stable and office, brick. Cost, \$1,800. As per plans, slag roof, southeast corner Lippincott and Fox streets.

Dr. Geo. Woodward (O), Chestnut Hill. H. L. Brown (C), 1714 Sansom street. Cost, \$31,000. Stone, 31x65 feet, 3 story, shingle roof, hot air heating east side Navahoe street between Abington avenue and Hartwell lane, Chestnut Hill, Pa.

Harold Lehman (O), 162 Somerville avenue. Jno. Fotheringham (C), 3367 Frankford avenue. Cost, \$3,000. Dwelling, 16.4x45, brick, 2 story, slag roof, hot water heat, 1120 Herbert street.

Jno. Fotheringham (O and C), 3367 Frankford avenue. Cost, \$24,000. Dwell-

ings, eight, stone, 16.4x42 feet, 2 story, tile roof, hot water heat, 943 to 957 Fellmore street.

Hart & Baily (O and C), 15th and Lindley. Twenty-one dwellings. Cost, \$53,100. Brick, slag roof, hot water heat, 2 story. Nineteen dwellings, 16x38 feet, south side Loudon, west of 16th street. Two dwellings, 16x38 feet southwest corner 16th and Loudon to southeast corner Windrim avenue and Loudon street.

Ellen Connor (O), 2122 Catherine street. A. Morrison (C), 2153 Webster street. Dwelling, general alterations. Cost, \$600. 2122 Catherine street.

Gustav Sigel, Jr. (O and C), 5113 Wayne avenue. Garage, brick, 30x26.6 feet. 1 story. Cost, \$800. 5113 Wayne avenue, Germantown.

Ford & Kendig (O and C), 27 N. 7th street. Cost, \$1,800. 1000 lb. traveling crane on concrete foundations, south of Callowhill street, B. & O. Railroad right of way.

Nathon C. Lone (O and C), 612 Chestnut street. Cost, \$2,000. Dwellings, interior alterations, brick, 4902 Cedar avenue.

Gennaro Desantis (O), northeast corner 21st street and Indiana avenue. Tony Stelacio (C), 2822 N. Van Pelt street. Cost, \$600. Store, brick, 2 story rear addition, 16x13 feet, no cellar, slag roof, northeast corner 21st street and Indiana avenue.

Geo. W. Williams (O) 121 Pleasant street. Robt. H. Christy (C), 6805 Germantown avenue. Cost, \$2,500. Store, brick, 1 story store building, 25x55 feet, Carpenter street, south side, 150 feet east of Greene street.

Geo. W. Williams (C), 121 Pleasant street. Robt. H. Christy (O), 6805 Germantown avenue. Cost, \$2,000. Store, brick, 1 story building, 20.8x55 feet. Tin roof, Carpenter street, south side, 175 feet east of Greene street.

Phila. Paper Mfg. Co. (O), Nixon street, Manayunk. Brown Const. Co. (C), 4600 Main street, Manayunk. Cost, \$5,600. Brick stock room, 1 story building, reinforced concrete roof, 58.6x67.8 feet, Nixon street, north of Fountain street, Manayunk. Wm. J. Montgomery (O), 6129 Greene street. Wm. C. Wright (C), 22 Harvey street. Cost, \$1,500. Dwelling, stone, general repairs, 6129 Greene street.

Minnie Wecht (O), 237 Fairmount avenue. Morris Wecht (C), 237 Fairmount avenue. Cost, \$3,000. Brick dwellings, 3 story front addition, 15.4x27 ft., slag roof, 1414-16 N. Marshall street.

Wm. A. Perks (O), 1700 N. 62nd street. F. T. Mercer Co. (C), 1706 De Lancey street. Garage, brick, 1 story, 16.6x18.10 feet. Slag roof, rear of 1700 N. 62nd street.

Morgan Hebard (O), Chestnut avenue, Chestnut Hill. Thos. M. Seeds, Jr., Co. (C), 1207 Race street. Cost, \$1,700. Dwelling, 2 story rear addition, 12x21 feet, north side of Chestnut avenue, west of Germantown avenue.

J. McClellan (O), Fox Chase, Phila. Jos. Ashby (C), Fox Chase. Six dwellings, stone and brick, 1 story store additions, 18x32 feet, slag roofs, south side Loney Street, 58 feet west of C street.

J. McClellan (O), Fox Chase. Jos. Ashby (C), Fox Chase. Cost, \$1,200. Two

dwellings, stone, 1 story front addition, 14x32 ft., southwest corner Loney and C streets.

W. Zakrgewski (O), 3164 Richmond street. F. S. Gregorek (C), 3185 Edgemont street. Store and dwelling. Cost, \$1,400. 2 story rear addition, 12.6x9 feet, 1st story, and 12x41 feet, second story, slag roof, 3164 Richmond street.

Mrs. C. Levy (O), 606 Chestnut street. Lam Bldg. Co. (C), 1001 Wood street. Cost, \$1,900. Store and dwelling, general alterations, no additions, 525 S. 6th street.

Edwin G. Newton (O), 5130 Mervine street. C. B. Wagner (C), 114 N. Broad street. Cost, \$800. Garage, brick and concrete, 12x18 feet, 5132 Mervine street.

Chas. B. Dum (O), Norwood avenue. Stokes Bros. (C), 6723 Musgrave street. Cost, \$2,500. Dwelling, stone, 3 story addition, 22x32 feet, slate roof and new heater, Norwood and Chestnut avenues, Chestnut Hill.

Julius Goldsteine (O), Passyunk and Queen lane. Done Tero (C), 515 Christian street. Cost, \$700. General alterations, 328-30-32-34 Emily street.

Mikael Billy (O), 33 Catherine street. P. G. Benkman (C), 426 S. 4th street. Dwelling, brick, 2 story rear addition, 13x22 feet. Cost, \$900. 33 Catherine street.

West Hope Presbyterian Church (O), southwest corner Aspen and Preston streets. Mitchell Bros. (C), 2125 Race street, \$2,300. Church, stone, general interior alterations.

M. A. Moore (O), 49th and Arch streets. Leroy Smith (C), 4007 Chester avenue. Cost, \$1,000. Dwelling, brick, rear addition, 8x10 feet, tin roof, northwest corner 49th and Arch streets.

B. Divac (O), 5942 Christian street. Michael Cipollo (C), 778 S. 7th street. Cost, \$3,600. Brick building, repair fire damage, 1831 Passyunk avenue.

Samuel Spector (O), 273 S. 52nd street. J. Gorchor (C), 4116 Girard avenue. Dwelling, 2 story front addition, 16x13 feet as plan, 269-71-73 S. 52nd street.

Harry Supplee (O), 3426 Filbert street. Cost, \$10,000. Contractor's name not given. Stable, 2 story, brick, as plans, 3426-28-30 Filbert street.

Harry Supplee (O), 3421-23 Market street. Cost, \$8,000. Garage, 50x146 feet, as plans, brick, 3421-23 Market street.

Summerdale Dyeing, Printing & Fin. Wks. (O), Holmesburg. Hogg Const. Co. (C), 1634 Sansom street. Cost, \$9,500. Brick power house, 72.10x46.2 feet south side of Pennypack Creek, east of Frankford avenue.

H. H. Battles (O), 114 S. 12th street. Joseph F. Myers, Jr., & Co., 1237-39 Ridge avenue. Cost, \$1,200. Store, general repairs.

Budd Estate (O), Bailey Bldg. Jos. F. Myers, Jr., & Co. (C), 1237-39 Ridge avenue. Cost, \$800. Dwelling, repair fire damage, 3914 Spruce street.

Lewis Jones (O & C), 1100 N. 63rd street. Cost, \$600. Brick steam plant, end addition, 10.6x40 feet, northeast corner 64th & Lebanon avenue.

Miller Lock Co. (O), Frankford. Warren Moore & Co. (C), 520 Commercial Trust Bldg. Cost, \$25,000. Brick and concrete. 1 story building, 70x97 feet, west side Tacony, about 510 feet south of Orthodox street.

Geo. W. Baylie (O & C), 3602 Knox street. Brick dwelling, 3rd story addition, 16x40 feet, 3310 Longshore street. \$960.

Gulf Ref. Co. (O), Morris Bldg. Scott W. Hahn (C), 5215 Chestnut street. Cost, \$600. Concrete and tile room, 20x24 feet, 1 story, 58th and Schuylkill River, south side.

Firmin Mickel (O), Delaware avenue and Dock street. Geo. L. Sipps (C), 912 Locust street. Cost, \$1,500. Brick restaurant, 1 story addition, 12x28 feet, and store room, 8x14x10 feet high, slag roofing, northwest corner Delaware avenue and Dock street.

Robt. Nevett (O), 310 Susquehanna avenue. Jas. Scollon, Jr. (C), 2139 Orianna street. Cost, \$700. Brick garage, 1 story, as plans, slag roof, southeast corner Orianna street and Susquehanna avenue.

Ajax Metal Co. (O), 46 Richmond street. M. Ward Easby (C), 1420 Chestnut street. Cost, \$35,000. Brick, storage, 80.10x30 feet, north side Allen street, 230 feet west Frankford avenue.

Arthur Peterson (O), 5924 Woodbine avenue. M. M. Young (C), Overbrook. Cost, \$8,000. Dwellings, 3rd story rear addition, 19.6x27 feet, wood cornice and slate roof, 5941 Woodbine avenue.

Wendell & Smith (O), Overbrook. M. W. Young (C), Overbrook. Cost, \$1,350. Garage, stone, 21x23 feet, 1 story shingle roof, 6448 Woodbine avenue.

Fidelity Trust Co. (O), 325 Chestnut street. Brounworth & Co. (C), 1611 Sansom street. Cost, \$800. Apartment, fire escapes, 2010 Chestnut street.

M. Susman (O), 318 Market street. S. Barnnett & Sons (C), Drexel Bldg. Cost, \$1,000. Store and dwelling, brick, 2 story addition, 14x34.6 feet, 806 Callowhill street.

P. R. R. Co. (O and C), Broad street station. Cost, \$4,000. Frame signal cabin and shed, 16.10x24, cabin, 16x48, shed, 1 story. Signal cabin, west side Schuylkill River, south of Arsenal Bridge. Shed, south side Abbottsford avenue, east of P. R. R. Co. right of way.

Roxborough Hosiery Co. (O), 2017 Arizona street. Edw. Engle (C), 1239 E. Nevada street. Cost, \$600. Mill, brick, boiler foundation, 2017 Arizona street.

Consumers Brewing Co. (O), Clarion and Fitzwater streets. E. E. Hollenback, Inc. (C), northwest corner 15th and Race streets. Cost, \$1,000. Interior alterations, southeast corner Park avenue and Fitzwater street.

G. Patizzi (O), 627 Washington avenue. Donato & Buro, 809 S. 8th street. Dwellings, 3rd rear addition, 12 x 24 ft. Cost, \$1,400. 1410 S. 8th street.

J. S. Irvins & Son (O), 625 N. Broad street. Pittsburg-Des Moines Steel Co. (C), Pittsburg. Cost, \$3,000. 25,000 gal. steel tank, 625 N. Broad street.

Isaac G. Ferguson (O), Front and Palmer streets. Frank Achuff (C), 1600 N. Front street. Cost, \$2,000. Stable, fire repairs, northeast corner Hope and Palmer streets.

M. Wolfman & Sons (O and C), 2844 Richmond street. Cost, \$36,000. Twenty dwellings, brick, 14x33.9 feet, 2 stories, slag roof, hot air heating. West side of Livingstone street, 146.11½ feet north of Westmoreland street.

Charles F. Myers (O), 206 West Washington Square. Charles Townsend (C), 5512 North Fairhill street. Six dwellings, 15x39 feet, brick, slag roof, hot water heating, 6300 to 6310 Rising Sun avenue.

Philadelphia Textile Machine Co. (O), Hancock and Somerset streets. Hennebique Const. Co. (C), Drexel Building. Cost, \$24,000. Building, concrete, 2 stories, 111x32 feet, concrete and 5-ply felt and slag roof, southwest corner of Sixth and Tabor road.

E. F. Prendergast (O), Eighteenth and Race streets. D. W. O'Dea (C), 5227 North Fifth street. Cost, \$32,500. Chapel building, concrete, 50x64 feet, 2 stories, slag roof, northeast corner Masher and Master streets.

E. F. Prendergast (O), Eighteenth and Race streets. D. W. O'Dea (C), 5227 North Fifth

street. Cost, \$4,000. Residence, 16x50 feet, brick, slag roof, 2 stories, steam heat, northeast corner of Masher and Master streets.

St. Peter's R. C. School, Father Auth (O), Fifth street, below Girard avenue. Ketcham & McQuade (C), 1029 Brown street. Cost, \$90,000. School, reinforced concrete, 4 stories, 34x120 feet, tin with sheathing roof, steam heat, southeast corner of Fifth and Girard avenue.

G. J. Reich (O and C), 112 Sonder street. Cost, \$105,000. Fifteen dwellings, brick, 13x58 feet, 3 stories, slate roof, hot water heat, north side Northeast Boulevard, between Broad and Old York road.

Charles P. Cockrane (O), N and Butler streets. William Steele & Sons (C), 1600 Arch street. Cost, \$16,500. Building, concrete 79.8x50 feet, 2 stories and basement, felt and slag roof, southeast corner N and Butler streets.

M. H. Riegel (O and C), 121 West Olney avenue. Cost, \$11,000. Five dwellings, 15.3x38 feet, 2 stories, brick, slag roof, hot water heating, 518-20-22-24-26 Somerville avenue.

George Kelley (O), 3427 Conrad street. Charles Masson (C), 3535 Sunnyside avenue. Cost, \$4,500. Dwelling, brick, 20x66.10 feet, tin roof, 3 stories, hot water heating, 3425 Conrad street.

James Hague (O and C), 2551 West Cumberland street. Cost, \$2,000. Dwelling, 15x40 feet, 2 stories, brick, slag and tin roof, hot air heat, 2527 West Fifth street.

Beneficial Saving Fund Society (O), Twelfth and Chestnut street. Doyle & Co. (C), Land Title Building. Cost, \$250,000. First class office building, concrete, 50.1½x140.4 feet, 2 stories, concrete and slag roof, southwest corner Twelfth and Chestnut streets.

Alterations and Additions

Quaker City Flour Mills Co., 3042 Market street. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$5,000. Flour Mills, repair fire damage, 3042 Market street.

Edwin Shealds (O), 4001 Germantown avenue. N. M. Bean (C), 4411 Germantown avenue. Cost, \$700. Garage, stone, 1 story, 14x24 feet, slag roof, 4600 Stenton avenue.

Powers Weithman Rosengarten (O), Ninth and Parrish streets. H. R. Heinicke Chimney Builders (C), 147 Fourth avenue, New York. Cost, \$5,000. Boiler stack, 10 feet stack, 168 feet high, concrete foundations and brick walls, 500 feet south of Parrish street, on Ninth street, west side.

Powers Weithman Rosengarten Co. (O), Ninth and Brown streets. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Cost, \$6,500. Power house, brick, 1 story, 30x54 feet, east side Ninth street, north of Brown street.

John Brennan & Bros. (O), 2246 West Lehigh avenue. Edward Ruben (C), 2632 West Cumberland street. Cost, \$3,000. Store and garage, southeast corner of Twenty-third st. and Lehigh avenue.

G. J. Brueckman (O), 133 North Third street. P. Harbach Const. Co. (C), 1261 North Twenty-sixth street. Cost, \$500 Dwelling, 2-story rear addition, brick, 10.4x12 feet, 18 feet high 1 story, 9.6x8.6 feet second story, 1550 North Wanamaker street.

Vd. La Cova (O), 4514 Regent street. John Duncan (C), 920 Walnut street. Cost, \$375. Dwelling, new rear porch 7x7 feet, on second floor, 810 South Forty-eighth street.

Board of Education (O), Keystone Building, Nineteenth and Chestnut streets. E. Clifford Durell (C), 1713 North Twenty-fourth street. Cost, \$15,000. General alterations with new fire escape and windows, northwest corner Eighteenth and Oxford streets.

Signs 2 x 3 ft., 12c. Each

C There is nothing more dignified or elegant than our large Weatherproof Fiber Cardboard Signs. Easy to carry, quick to place, not greasy, more serviceable than wood or iron, impervious to all weather conditions and cost from 8 to 20 cents apiece—in lots of one hundred.

INDEPENDENT PRINTING COMPANIES OF U. S. - Washington, D. C.

W. Percival Johnson (O and C), 4039 Lancaster avenue. Cost, \$550. Garage, brick, 12x20 feet, 1 story, slate roof, 920 Wynnewood road.

Joseph Fling (O), 408 East Wister street. George W. Whitenor (C), 403 East Penn street. Garage, brick, 10x20 feet, slag roof, 408 East Wister street.

Foca Donato (O and C), 1530 South Eighth street. Second story rear addition, brick, 11x14 feet, slag roof, 1534 South Eighth street.

Manayunk Yarn Mills (O), 4045 Main street. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$4,000. Repair fire damage, 4045 Main street.

William Miller (O), Seventeenth and Dickinson streets. John M. Hoeppel (C), 2016 North Fifth street. Cost, \$370. Garage, brick, 1 story, 16x14 feet, 10 feet high, 1509 South Bancroft street.

Charles Kaplan (O), 319 Reed street. A. Shestack (C), 529 Reed street. Cost, \$3,000. Store and dwelling, general alterations, Fourth and Queen streets, northeast corner.

Paul Schwartz (O), 1448 North Fourth street. H. Kuhn (C), 3615 North Fifteenth street. Cost, \$1,300. Dwelling, brick, new heater and general repairs, 1448 North Fourth street.

Scott Powell Dairies (O), Forty-fifth and Parrish streets. Metzger & Fisher (C), 411 Denckla Building. Cost, \$3,000. Dairy, brick, 1 story, 36x60 feet, northeast corner Forty-fifth and Parrish streets.

Philip Weinstein (O), 905 South Fourth street. Tony Morello (C), 937 Federal street. Cost, \$800. Dwelling, brick, general repairs, southeast corner of Fourth and Christian sts.

M. P. Fox (O), 1412 Germantown avenue. McCloskey & Baklo (C), 1326 Chestnut street. Cost, \$4,000. Store building, brick, new bulk windows and repairs, 2826 Frankford avenue.

Gottlieb Stecher (O), 4908 North Fifth st. Alfred Steinhäuser (C), 5424 North Fifth street. Dwelling, brick and frame, third-story addition, 16x40 feet, \$1,000, 4908 North Fifth street.

T. Fitzgerald (O), 1714 Walnut street. Charles McCaul Co. (C), 1715 Sansom street. Cost, \$15,000. Brick third and fourth floor addition, 38x30 feet, and interior alterations, 1714 Walnut street.

St. Basil Convent (O), Seventh and Parrish streets. George F. Pawling & Co. (C), 1432 South Penn Square. Cost, \$1,500. Dwelling, brick addition, 1 story building, 22½x40 feet, 827 North Franklin street.

J. G. Baugh (O), 8 East Rittenhouse street, Germantown. E. A. Heffner (C), 6361 Jefferson street, Germantown. Cost, \$840. Dwelling, two-story rear addition, brick, 12.9x100 feet, tin roof, 5549 Morris street, Germantown.

W. S. Snyder (O), 4502 Springfield avenue. Frank Johann, Jr. (C), 214 South Twelfth street. Cost, \$450. Garage, reinforced concrete, general alterations, 2822 North Broad street.

crete, general alterations, 2822 North Broad street.

Finneran & Haley (O), 1215 North Sixtieth street. Vanderbery Bros. (C), 5802 Pemberton street. Cost, \$2,300. Dwelling, brick, 2-story front addition, 16x12 feet, northwest corner of Sixtieth and Thompson streets.

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—“Municipal Engineering.”

Do not fear advertising as an expense, but court it as an asset, for that is really what it is—a value unseen, but determined from results.

The man who does not advertise is like the man who stops his watch to save time.—Exchange.

One secret that has been fairly well kept is the secret of success. Strange, too, when so many people are anxious to tell about it.

We know lots of men who have made money without the aid of advertising, but—they haven't made it since 1876.

Do you get “The Guide” regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

“Do what you are paid to do—and then some—it's the then-some that gets your salary raised.”—James B. Miller.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space “isn't seen.” Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, “The Builders' Guide” is the right medium for your advertising and cannot fail to bring you profitable returns.

A retailer may fool himself by failing to charge all of his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—Ex.

Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.

The man “who doesn't believe in advertising” can't understand why the other fellow gets the business.

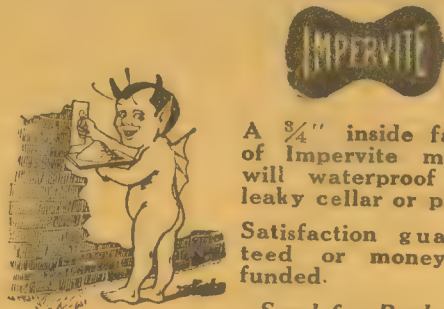
Many a man has a “Do It Now” motto over his desk and cobwebs on his brain and dust on the desk

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—“Novelty News.”

Small ideas, small methods, small men are becoming antiquated. This is the day of the broad outlook and big doings.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Automobiles.**
 Eastern Motors Corporation,
 1634 Chestnut st., Phila.
- Blue Prints.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
 Russell and Keffer, Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
- Cement.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
- Cement Colors.**
 Samuel H. French & Co., 4th and Callowhill sts.
- Columns (Metal).**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Concrete Construction.**
 Turner Concrete Steel Co. 1715 Sansom st., Phila.
- Dampproofing.**
 The Aquabar Co...Real Estate Trust Bldg., Phila.
 The Barrett Co.....New York City and Phila.
 Builders' Steel Products Co. Fidelity Bldg., Phila.
- Door Hangers.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
 Richards-Wilcox Mfg. Co.....50 N. 6th st., Phila.
- Drawing Materials.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Electrical Specialties.**
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.
- Electrical Construction.**
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.
- Engineers' Supplies.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Fences.**
 Anchor Post Iron Works,
 Real Estate Trust Bldg., Phila.
- Fire Doors.**
 Merchant & Evans Co.,
 2035 Washington ave., Phila.
- Fireproofing.**
 Builders' Steel Products Co. Fidelity Bldg., Phila.
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Flooring.**
 Currie & Campbell Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Furnaces.**
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
 Borden Stove Co.....118 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
 United Gas Improvement Co.,
 Broad and Arch sts., Phila.
- Granite.**
 Holmesburg Granite Co.,
 Commercial Trust Bldg., Phila.
- Heating Contractors.**
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.
- Heating Boilers.**
 H. B. Smith.....1225 Arch st., Phila.
- Insurance.**
 Harris J. Latta.....Penna. Bldg., Phila.
- Iron Work (Structural and Ornamental).**
 James G. Madden...Franklin Bank Bldg., Phila.
- Ladders.**
 T. C. Krewson.....801 Master st., Phila., Pa.
- Lockers.**
 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.
- Lumber.**
 Currie & Campbell...Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
 Howard Ketcham....3d and Girard ave., Phila.
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
- Marble Mosaic.**
 Belfi Bros. & Co.....20-22 S. 19th st., Phila.
- Metal Lath.**
 Builders' Steel Products Co. Fidelity Bldg., Phila.
 N. J. Wire Cloth Co.,
 Trenton, N. J., and 627 Market st., Phila.
- Mill Supplies.**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Mill Work.**
 The Fairbanks Co.....7th and Arch sts., Phila.
- Mortar Colors.**
 Penn Planing Mill Co.....Reading, Pa.
 O. M. Weber Co.....North Wales, Pa.
- Office Furniture.**
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
- Overhead Carrying Systems.**
 Wm. H. Hoskins Co.....904 Chestnut st., Phila.
- Painters.**
 Richards-Wilcox Mfg. Co.....50 N. 6th st., Phila.
- Paints and Varnishes.**
 C. Albert Kuehnle.....28 S. 16th st., Phila.
- Pipe Fittings and Valves.**
 Felton, Sibley & Co.....136 N. 4th st., Phila.
 Samuel H. French & Co., 4th and Callowhill sts.
 Eugene E. Nice.....268 S. 2nd st., Phila.
- Plaster.**
 The Fairbanks Co.....7th and Arch sts., Phila.
- Plumbing Fixtures.**
 N. J. Pulp Plaster Co.Trenton, N. J.
- Preservatives (Wood and Concrete).**
 Fleck Bros. Co.....44 N. 5th st., Phila.
 James A. Vogel Co.....Wilmington, Del.
- Radiators.**
 The Barrett Co.....New York City and Phila.
 F. E. Sagendorph....24th & Walnut sts., Phila.
- Ranges.**
 H. B. Smith Co.....1225 Arch st., Phila.
- Refrigerators.**
 Borden Stove Co.....118 N. 2d st., Phila.
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
- Roofing.**
 The Barrett Co.....New York City and Phila.
 Brinkmann Bros.....2615 Frankford ave., Phila.
 T. S. Johnson Sons Co.....622 Cherry st., Phila.
- Roofing Slate.**
 C. F. Shellenberger...Builders' Exchange, Phila.
- Roofing Tile.**
 O. W. Ketcham.....Builders' Exchange, Phila.
 C. F. Shellenberger...Builders' Exchange, Phila.
- Sash Pulleys.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
- Scales.**
 The Fairbanks Co.....7th and Arch sts., Phila.
- Sewer Pipe and Flue Linings.**
 C. F. Shellenberger...Builders' Exchange, Phila.
- Sewage Disposal.**
 Harrison, Mertz & Emlen,
 Commercial Trust Bldg., Phila.
- Soundings.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
- Sprinklers.**
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Stair Work.**
 Merchant & Evans Co.,
 2035 Washington ave., Phila.
- Structural Engineer.**
 O. M. Weber Co.....North Wales, Pa.
 Penn Planing Mill Co.....Reading, Pa.
- Surety Bonds.**
 Harry C. Eisenbise Co.....Penna. Bldg., Phila.
- Switchboards.**
 Harris J. Latta.....Penna. Bldg., Phila.
- Terra Cotta (Architectural).**
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.
- Test Borings.**
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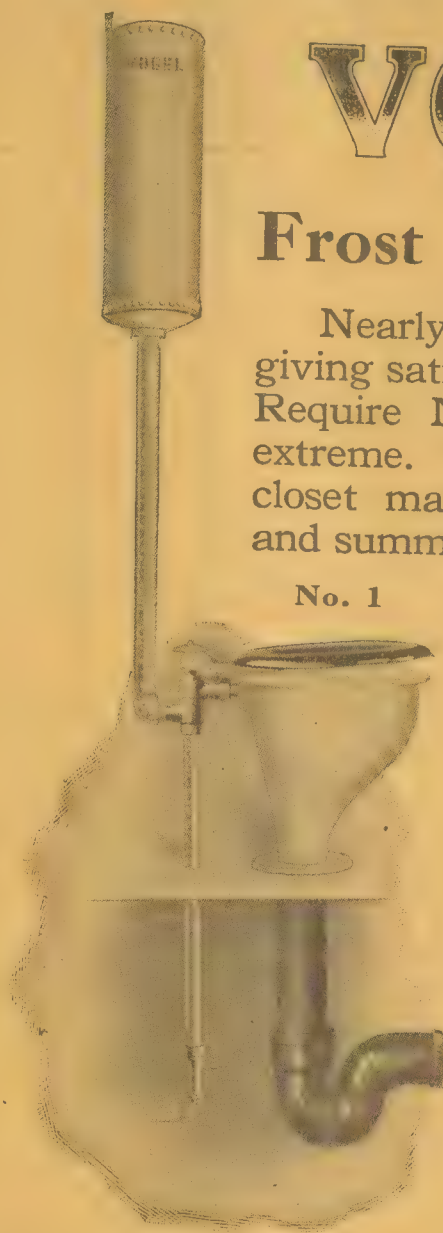
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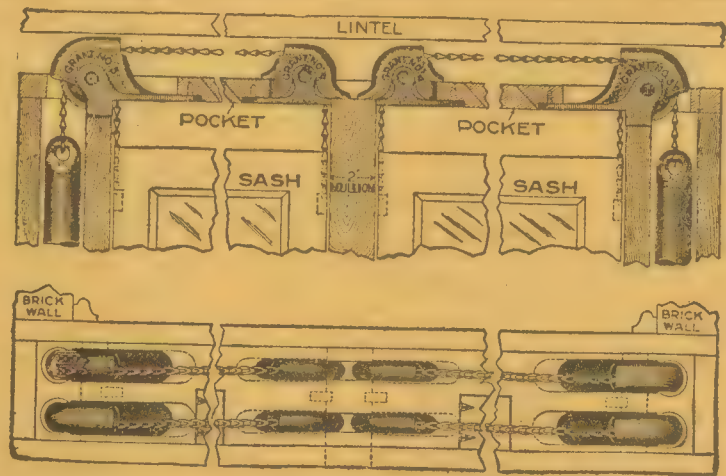
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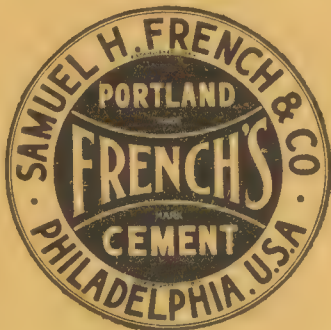
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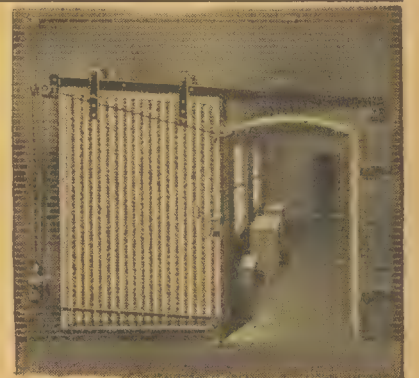
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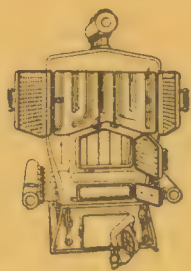


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Vol. XXXI, No. 22.

PHILADELPHIA, WEDNESDAY, MAY 31, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Prisons (alts.), Holmesburg and Tenth and Reed streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Phila. County Prison Commission, Tenth and Reed streets, Philadelphia. Consists of brick and concrete walls and electrical equipment. Owners taking bids, due June 2d. H. E. Baton, Twelfth and Sansom streets, and W. W. Anstine & Co., 1218 Filbert street, are figuring.

Church, Fifty-seventh and Washington avenue, Philadelphia, \$50,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Ninth Presbyterian Church, Rev. John A. Higgins, Fifty-seventh and Washington avenue, Philadelphia. Donor, Craig N. Liggett, 135 North Thirteenth st., Philadelphia. Stone, 1 story, slate roof, steam heating, electric lighting. Architect will submit all contracts.

Twin Residences (16), Sixth and Tabor road. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owners, Chas. H. Davis, 603 Medary avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roofs, hot water heating, electric lighting. Revised plans completed. Architects ready for bids.

Residences (40), Thirtieth and Reed streets, Philadelphia. Architect, private plans. Owners, Thomas J. & Jos. R. Whelan, Mutual Life Building, Philadelphia. Brick, 2 stories, slag roof, hot water heating, combination lighting. Plans in progress.

Church, Sixty-second and Jefferson streets, Philadelphia. Architect, H. F. Weidel, 1206 North Fifty-first street, Philadelphia. Owners, Evangelical Lutheran Church of the Good Shepherd, Rev. H. F. Hale, 6231 Jefferson street, Philadelphia. Stone, 1 story, 42x84 feet, slag roof, steam heating, electric lighting, maple floors, roof ventilators. Architect taking bids, due June 3d on basement only. Thomas C. Trafford, 1613 Sansom street, is figuring.

Residence and Garage, Rising Sun and Geneva avenues, \$20,000. Architects, Simon & Bassett, 1114 Chestnut street, Philadelphia. Owner, Wm. H. Margerison, Jasper and Huntingdon streets. Brick and plaster, 2½ stories, 30x60 feet, tile roof, hot water heating, elec-

tric lighting, hardwood floors, tile work. Architects taking bids, due June 5th. The following are figuring: Alfred Steinhouse, 5524 North Fifth street; Wm. H. Eddleman & Sons, 453 Green lane, Roxborough; A. L. Fretz & Sons, 1222 Chancellor street; Kessler Contracting Co., Drexel Building; F. Elvidge & Son, 5522 Germantown avenue; Thomas M. Seeds, Jr., 1207 Race street, Philadelphia.

Warehouse, 2406 to 2412 North Hope st., Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Derbyshire Bros., 2418 North Front street, Philadelphia. Brick and reinforced concrete, 4 stories, 40x110 feet, slag roof, electric lighting, ornamental iron, steel sash, fire doors, elevator (heating reserved). Architects have received revised bids.

Office Building, 4660 and 4662 Frankford avenue, Philadelphia. Architect, J. Walter Eastburn, 1106 Foulkrod street, Philadelphia. Owner, Dr. Frank Emorey, 4662 Frankford avenue, Philadelphia. Brick and terra cotta, 2 stories, 36x85 feet, slag roof, steam heating, electric lighting. Architect taking bids, due June 2d. The following are figuring: Ketcham & McQuade, 1029 Brown street; C. West & Co., Harrison and Horrocks streets; Rimer & Byers, 1204 Harrison street; George R. Osborne, 5017 Willow street; John Fotheringham, 3367 Frankford avenue, Philadelphia.

Offices (alts.), 209 South Third street, Philadelphia. Architect, Edmund G. Evans, Witherspoon Building, Philadelphia. Owners, Insurance Company of North America, Third and Walnut streets. Consists of interior changes for offices (electric work separate bid). Architect has received bids.

Factory (add.), Fourth and Sedgley avenue. Architect, private plans. Owners, Pecora Paint Co., on premises. Brick and reinforced concrete, 1 story, concrete, slab and slag roof, fire doors. Builders, Fidelity Construction Co., Heed Building, taking sub-bids on all lines.

Garage, Juniper and Vine streets, Philadelphia. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, Norris Estate, care architects. Brick, 2½ stories, 112x46 feet, gravel and tin roof, steel sash,

elevator. Architects taking approximate bids. I. T. Shoemaker, 1324 Walnut street, is figuring.

Bank and Office Building, northeast corner Thirteenth and Market streets, Philadelphia. Architect, Alfred C. Bossom, 366 Fifth avenue, New York City. Owners, Colonial Trust Co., on premises. Brick, stone, terra cotta, concrete and asphalt roof, steam heating, electric lighting, metal lath, safety treads, tile and marble work, metal sash, kalamein doors, (3) electric elevators. Architect taking bids. In addition to those previously reported, Lam Building Co., 1001 Wood street; H. E. Baton, Twelfth and Sansom streets; James H. Walls, Heed Building; Geo. A. Fuller Co., Widener Building, are figuring.

Stable (alt. and add.), Twenty-sixth and Oxford streets, Philadelphia. Architect, private plans. Owners, Wills-Jones-McEwen Co., on premises. Brick, 1 and 2 stories, 35x170 feet, slag roof, cement floors, electric lighting. Builders Geo. Kessler Contracting Co., Drexel Building, will take sub-bids in a few days.

Residence (alt. and add.), Germantown avenue, Chestnut Hill. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, name withheld. Brick and plaster, 3 stories, tin roof, hot water heating, electric lighting, oak floors, tile work, metal lath. Architects have received bids.

Residence (alts. and add.), northeast corner Twenty-first and Locust streets. Architects, Lloyd Titus, 430 Walnut street, Philadelphia. Owner, George Gowen Hood, 1712 Locust street, Philadelphia. Brick, 3 stories, tin roof, hot water heating, electric lighting, oak floors, marble and tile work, metal lath. Architect taking bids, due May 31st. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; A. MacTavish, 1513 Pine street; J. Sims Wilson Co., 1125 Brown street; Loos & Dothard, Commercial Trust Building, Philadelphia.

Hospital (alts.), Broad and Wolf streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Methodist Episcopal Hospital, on premises. Consists of interior alterations to toilet

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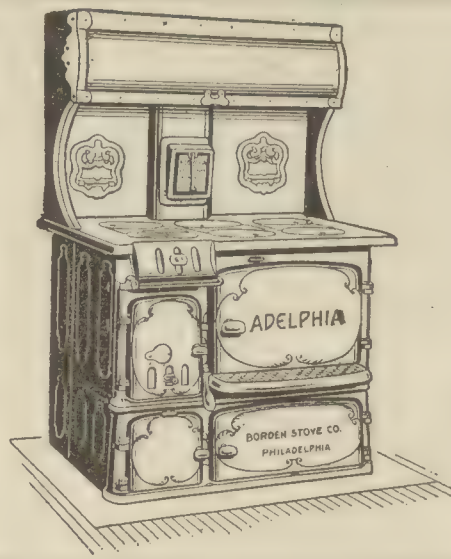
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Church (alts.), Tenth and Wallace streets, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, St. Paul's Baptist Church, Rev. Edward W. Johnson, 1302 North Twelfth street, Philadelphia. Consists of general interior alterations. Architects have received bids.

Residence, Stenton avenue, Philadelphia, \$10,000. Architects, Zantzinger, Berie & Medary, Fifteenth and Walnut streets. Owner, Percival Drayton, 34 W. Gravers lane. Brick, $2\frac{1}{2}$ stories, 71x30 feet, tin roof, hot air heating, electric lighting. Architects taking bids, due June 1st. The following are figuring: M. S. Oberholtzer, 5524 Pulaski avenue; Geo. S. Roth & Sons, 230 E. Gravers lane; Pringle Borthwick, 8018 Germantown avenue; Stokes Bros., 6723 Musgrave street; John E. Walt, 204 E. Willow Grove avenue; Samuel Harting, 20 E. Johnson street; Chas. J. Appleton, Heed Building, Philadelphia.

Club House (alt. and add.), Front and Ellsworth streets, Philadelphia. Architects, W. E. Jackson, 1003 Spruce street, Philadelphia. Owners, Southwark Neighborhood House, on premises. Brick, 3 stories, asbestos corrugated roof, metal lath, hot air heating, composition floors. Architect has received bids.

Residence and Stable, Laverock, Pa. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, John Strawbridge, 114 Custom House Place, Philadelphia. Stone and plaster, $2\frac{1}{2}$ stories, 75x125 feet and 50x100 feet. Architect taking bids, due June 9th. The following are figuring: Henry L. Brown, 1714 Sansom street; William J. Guehler Co., 219 East High street; Pringle Borthwick, 8018 Germantown avenue; John E. Walt, 204 East Willow Grove avenue.

Shoe Factory, Janney and Weikel streets. Architects, Charles E. Oelschlagër, Harrison Building, Philadelphia, and W. S. Groves, St. Louis, Mo. Owners, Ferris Shoe Co., St. Louis, Mo. Brick, 4 stories, 40x250 feet, slag roof, steam heating, electric lighting, elevators, sprinkler system, fire doors. Architects taking bids, due June 6th.

Garage, 3410 Baring street, Philadelphia. Architect, private plans. Owner, R. R. Bringhurst, 38 North Eleventh street, Philadelphia.

Brick, 1 story, 22x26 feet, slag roof, cement floors. Owner taking bids, due as soon as possible. John N. Gill Co., Heed Building, are figuring.

Garage, Nicetown, Philadelphia. Architect, private plans. Owners, Midvale Steel Co., Wilmington, Del. Brick and steel, 1 story, 50x135 feet, slag roof. Owners taking bids, due June 1st. Irwin & Leighton, 126 North Twelfth street, are figuring.

Oil Factory, Thirtieth and Race streets, Philadelphia. Engineer, C. B. Comstock, 110 West Fortieth street, New York City. Owners, West Philadelphia Stock Yards Co., on premises. Reinforced concrete, 3 stories, 77x104 feet, composition roof, ornamental iron work, fire doors (electric work reserved). Architect taking bids, due June 7th. Irwin & Leighton, 126 North Twelfth street, are figuring.

Residences (8), Summerville avenue, east of Twelfth street. Architect, private plans. Owner, L. A. Buegman, 1324 North Twentieth street, Philadelphia. Brick and stone, 2 stories, 18x34 feet, slag roof, hot water heating, combination lighting, hardwood floors. Owner is taking sub-bids.

Residences and Garages (27), Twelfth and Windrim streets. Architect, private plans. Owners, John M. B. Morrow & James McGonigal, 1733 North Nineteenth street. Brick and stone, 2 stories, 18x34 feet, slag roof, hot water heating. Owners taking sub-bids.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store Building, Front and Dauphin streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Armin A. Frankel, on premises. Tapestry bricks, terra cotta, 3 stories, 40x110 feet, slag roof, metal lath, waterproofing, tile work, marble floors, ornamental iron work (heating, store fixtures reserved). Contract awarded to Wm. R. Dougherty, 1610 Sansom street.

Residence, Navahoe and Abington streets, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 90x23 feet, shingle roof, oak floors, tile work (heating, plumbing and electric work separate bids). Contract awarded to Wolverton & Collins, 7930 Germantown avenue, Philadelphia.

Residence (alt. and add.), 1855 North Park avenue, Philadelphia. Architect, Frank E. Hahn, 1114 Chestnut street, Philadelphia. Owner, Charles A. White, 1928 North Park avenue, Philadelphia. Brick, 3 stories, hardwood floors, tile work, electric lighting. Contract awarded to Thomas Little & Sons, 1713 Moravian street, Philadelphia.

Store Building (alts.), 1626 Walnut street, Philadelphia. Architects, Marmaduke Tilden, Jr., & H. Bartol Register, 1713 Sansom street, Philadelphia. Owners, Robinson & Farr, 1513 Walnut street Philadelphia. Brick, 4 stories, consists of new bulk windows and interior alterations, tin roof, metal lath, ornamental iron work (heating, electric work and painting reserved). Contract awarded to Elfreh & Co., 1708 Sansom street, Philadelphia.

Church, Tacony, Philadelphia. Architect, H. G. Hammer, Glenside, Pa. Owner, Italian R. C. Church, Rev. E. F. Prendegast, Eighteenth and Race streets, Philadelphia. Frame, stone foundations, slate roof, steam heating, electric lighting. Contract awarded to James M. Tighe Co., 245 North Eleventh street, who are taking sub-bids.

Valut, Eleventh and Filbert streets, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of Penna., Seventeenth and Arch streets, Philadelphia. Brick and concrete. Contract awarded to Horace H. Burrell, 206 South Quince street.

PENNSYLVANIA

Construction News

Garage, Media, Pa. Architect, private plans. Owners, Pierson's Garage, Media, Pa. Brick, 2 stories, 66x120 feet, asbestos roof, cement floors (heating and electric work reserved). Owners have received bids.

Residence and Garage, Royersford, Pa. Architect, E. F. Bertollett, 1614 Cherry street, Philadelphia. Owner, Dr. Henry Graber, Royersford, Pa. Hollow tile, stone and plaster, 2½ stories, 40x50 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due May 29th. Lansdowne Construction Co., Lansdowne, Pa., and F. H. Keiser Co., Pottstown, Pa., are figuring. Architect also taking sub-bids.

Club House (add.) (gymnasium), 125 North

Tenth street, Reading. Architect, J. E. Hickman, 119 South Sixth street, Reading, Pa. Owners, Catholic Literary Social Union, Palmer Boroder. Brick and stucco, 1 story, 20x75 feet, slag roof, steam heating, electric lighting. Owner is taking bids.

Garage, Media, Pa. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Wm. L. Rowland, eMdia, Pa. Stone, 2 stories, 23x20 feet, shingle roof, cement floors. Builder James B. Flounders, 1329 Arch street, is taking sub-bids.

High School, Nesquehoning, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Mauch Chunk Township, School District, Nesquehoning, Pa. Brick, stone and terra cotta, 2 stories, 82x154 feet,

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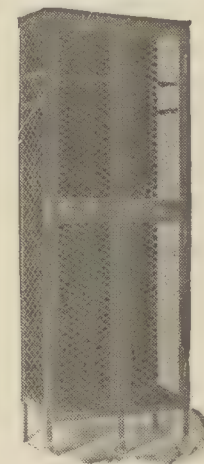
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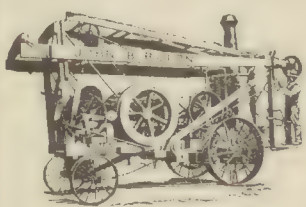
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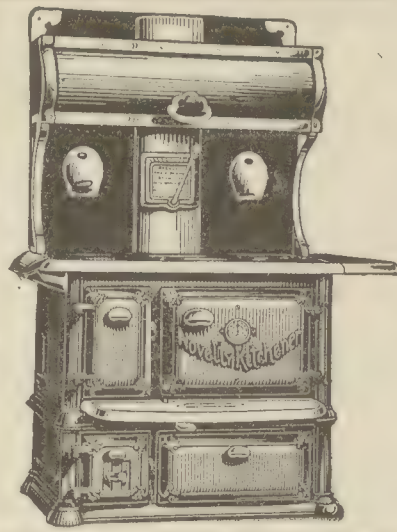
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asbestos roof, metal lath, safety treads, concrete and hollow tile floors, marble work, roof ventilators, maple floors, kalamein doors, dumb-waiter, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due June 1st. In addition to those previously reported, Shamokin Lumber & Mfg. Co., Shamokin, Pa.; Mt. Carmel Lumber Co., Mt. Carmel, Pa.; Jacob Magle, Allentown, Pa.; Beard Construction Co., Reading, Pa., and Riebe Bros., Lansford, Pa., are figuring.

Garage, Wayne, Pa. Architect, Francis A. Gugert, Wayne, Pa. Owner, R. P. Lienhardt, Wayne, Pa. Hollow tile, 1 story, 49x32 feet, slate roof, steam or hot water heating, electric lighting. Architect has received bids.

Residence (alts.), Bryn Mawr, Pa. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owner, Wm. M. Griscom, Bryn Mawr, Pa. Stone and frame, 2½ stories, consists of interior alterations. Architect taking bids, due June 3d. The following are figuring: E. J. Krentzburg, 1345 Arch street; W. Harry Roberts, Ardmore, Pa. Geo. W. Deaves, Oakmont, Pa. Gray Bros., Rosemont, Pa., and J. J. Graham, J. Morton Warner and Philip B. Davis, all of Bryn Mawr, Pa.

Water Supply System, Downingtown, Pa. Engineers, Harrison, Mortz & Emlon, Inc., Commercial Trust Building. Owners, Downingtown Industrial & Agricultural School. Reinforced concrete reservoir, 50,000 gallons, pipe lines, pump equipment. Plans in progress.

Sewage Disposal Plant, Quincy, Pa. Engineers, Harrison, Mertz & Emlon, Inc., Commercial Trust Building, Philadelphia. Owners, Quincy U. S. Orphanage Home, Quincy, Pa. Concrete. Plans completed, Engineers ready for bids.

Residence, Fleetwood, Pa., \$6,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owner, Raymond Kelehner, Fleetwood, Pa. Brick, 2½ stories, 30x40 feet, slate roof, electric lighting. Owners are taking sub-bids.

Bungalow, St. Lawrence, Pa., \$5,000. Architect, Calvin J. Young, 520 Washington st., Reading, Pa. Owner, Samuel Phillips, Reading, Pa. Frame and stucco, 1½ stories, 32x32 feet, shingle roof, electric lighting, hardwood floors, waterproofing. Ready for bids.

Knitting Factory, Mohrsville, Pa. Architect, Calvin J. Young, 520 Washington st., Reading, Pa. Owner, James W. Wagner,

Mohrsville, Pa. Concrete and brick, 1½ stories, 45x155 feet, reinforced concrete and slag roof, steam heating (low pressure), electric lighting, reinforced concrete and maple floors, waterproofing and damproofing. Architect taking bids, due June 9th. The following are figuring: C. H. Schlegel, Beard Construction Co., W. A. Sharp, and L. H. Focht & Son, all of Reading, Pa., and H. J. Raudenbush, Harrisburg, Pa.

Twin Residence, Hdy Villa, Reading, Pa., \$5,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Chas. E. Ehling, Dauberville, Pa. Brick, 2½ stories, 14x45 feet, tin and slate roof, hot air heating, electric lighting. Owner is taking sub-bids.

High School, Lititz, Pa., \$95,000. Architect, Ed. Z. Scholl, 131 North Sixth street, Reading, Pa. Owners, Board of Education, Lititz, Pa. Brick and cut stone, 2½ stories, 176x176 feet, slag roof, electric lighting, reinforced concrete floors, waterproofing (heating, plumbing and electric lighting separate bids). Owners taking bids, due June 5th. The following are figuring: Beard Const. Co., Reading, Pa.; W. H. Wiand, Pottstown, Pa.; J. L. Menough & Co., York, Pa.; B. S. Warfle, Lancaster, Pa.; L. V. Wright, Lancaster, Pa.; Andrew Brealin, Summit Hill, Pa.; Jacob Nagle, Allentown, Pa.; Hersey Leamon, Lititz, Pa.

Residence, Newmanstown, Pa., \$6,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Miss Helen Trix, Newmanstown, Pa. Frame and stucco, 2½ stories, 28x44 feet, slate roof, vapor heating, electric lighting, hardwood and tile floors. Plans in progress.

Residence Cynwyd, Pa., \$12,000. Architects, Savery & Scheetz, Stephen Girard Moore, Cynwyd, Pa. Stone, 2½ stories, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architects will take bids in about ten days.

Moulding Building, West Decatur, Pa. Architect, Durham Bros., Heed Building, Philadelphia. Owners, General Refractories Co., 111 Broadway, New York City. Brick and steel, 1 story, 118x304 feet, asbestos metal roof, electric lighting. Plans completed. Owners will take bids.

Residences (3), Rydal, Pa., \$30,000. Architects, Mellvain & Roberts, Land Title Building, Philadelphia. Owners, name withheld. Stone, 2½ stories, 60x25 feet each, shingle

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roofs, vacuum or hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence, York, Pa., \$4,000. Architect, J. A. Dempwolf, York, Pa. Owner, Dr. Kuhlman, York, Pa. Brick, 2½ stories, 21x40 feet, slag roof, hot air heating, electric lighting. Plans in progress.

Twin Residence (alt. and add.), York, Pa., \$3,500. Architect, J. B. Harman, Lancaster, Pa. Owner, Mrs. George W. Heffner, 213 West Jackson street, York, Pa. Frame, 3 stories, tin roof, steam heating, electric lighting, new third floor. Plans about completed. Ready for bids.

Church and Parsonage, Williamsport, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Newberry M. E. Church, Williamsport, Pa. Brick and steel, 1½ and 2½ stories, 58x90 feet and 25x60 feet, slate and tin roof, steam heating, combination lighting, cork and tile and hardwood floors, dampproofing. Owners taking sub-bids.

Warehouse, corner Dueberry and Strawberry streets, Harrisburg, Pa., \$30,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Dives, Pomeroy & Stewart, Harrisburg, Pa. Reinforced concrete, brick and steel, 5 stories, 53x111 feet, composition roof, steam heating, electric lighting, reinforced concrete floors, elevator, sprinkler system, metal sash and doors. Plans completed. Will be ready for bids in one week.

School (alt. and add.), Cumberland, Pa., \$10,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Board of Education, care of A. Hoff, secretary, Cumberland, Pa. Brick, 2 stories, 32x60 feet, tin roof, hot air heating, electric lighting. Owner taking bids, due June 5th. The following are figuring: J. C. Strichter, Lenola, Pa.; Shook & Heinley, New Cumberland, Pa.; J. Frank Sassaman and James Pouraining, both of Harrisburg, Pa., and W. E. Bushy, Lemoyne, Pa.

Gymnasium, York, Pa., \$9,000. Architect, J. A. Dempwolf, York, Pa. Owners, York Collegiate Interstate College, York, Pa. Brick and concrete, 1 story, 40x80 feet, slate roof, steam heating, electric lighting, maple floors. Architect has received bids.

Church (alts.), York, Pa., \$20,000. Architect, J. A. Dempwolf, York, Pa. Owners, St. Paul's Lutheran Church, Dr. C. H. Ehrenfeld, York, Pa. Consists of new carved wood chancel, interior alterations, steam heating, electric lighting. Plans in progress.

Residence (add.), Wyebooke, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, William M. Potts, Wyebooke, Pa. Stone, 2 stories, 36x40 feet, 20x40 feet and 16x19 feet, steam heating, electric lighting. Plans about completed. Architects will take bids in a few days.

Residence (add.), Wyncote, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Cyrus H. K. Curtis. Sixth and Walnut streets, Philadelphia. Consists of new music room. Stone, 1 story, 37x74 feet, slate roof, steam heating, electric lighting. Plans about completed. Architects will take bids in a few days.

Residence, Ardmore, Pa. Architect, John

L. Coneys, Drexel Building, Philadelphia. Owner's name withheld. Brick, 2½ stories, 37x60 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will sub-let all contracts.

Residence, Merion, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner's name withheld. Stone, hollow tile and plaster, 2½ stories, 40x35 feet, shingle or tile roof, vapor heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in a few days.

Residence, Pottstown, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owner, George W. Corbett, Pottstown, Pa. Hollow tile and plaster, 2½ stories, 30x40 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects will take bids in a few days.

Club house, York, Pa., \$60,000. Architects, Gemmill & Billmeyer, York, Pa. Owners, Loyal Order of Moose, No. 148, York, Pa. Brien, stone trimmings, 4 stories, 29x240 feet, slat roof, steam heating, electric lighting, tile work, composition floors, metal lath, waterproofing. Contract awarded to Plonk & Prall, York, Pa., for foundations. Plans in progress for superstructure.

Store and Apartments, Fourth and Blackburn streets, Harrisburg, Pa., \$150,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, the Doehn Estate, C. A. & G. L. Doehn, Harrisburg, Pa. Brick and reinforced concrete, 4 stories, 100x106 feet, slag roof, vapor heating, electric lighting, concrete floors, tile and terrazzo floors, metal lath, metal sash. Architect ready for bids.

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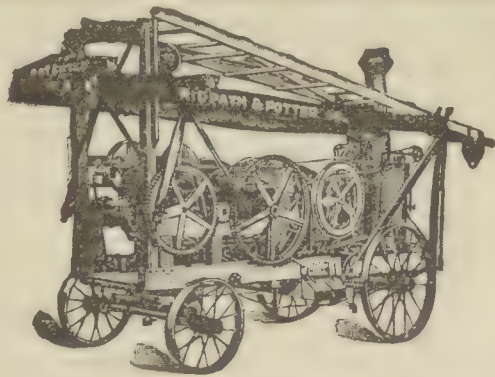
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PENNSYLVANIA Contracts Awarded

Residence, Narberth, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, John B. Williams, Narberth, Pa. Stone, 2½ stories, 25x35 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to W. D. Smedley, Narberth, Pa.

Residence (alt.), Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut st., Philadelphia. Owner, Mrs. E. C. Kirke, Lansdowne, Pa. Consists of general alterations. Contract awarded to Charles N. Roberts, 7712 Chelwynde avenue, West Philadelphia.

Residence, Villa Nova, Pa., \$20,000. Architects, Mellor & Meigs, 205 South Juniper st., Philadelphia. Owner, Heatly C. Dulles, 125 South Fourth street, Philadelphia. Stone and shingle, 1½ stories, shingle roof (hot water heating, hardwood floors and electric lighting reserved). Contract awarded to J. J. Murphy & Co., 1139 South Wilton street, who will take sub-bids in a few days.

Fire House, Newmanstown, Pa., \$11,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Fire Co. No. 1, Newmanstown, Pa. Brick, 2 stories, 42x120 feet, slag roof, steam heating, electric lighting, concrete floors, metal lath, damp-proofing. Contract awarded to Adam B. Spatz, Wernersville, Pa.

Residences (4), Wyomissing, Pa., \$125,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, Irvin F. Impink, 112 North Eleventh street, Reading, Pa. Brick, 2½ stories, 26x30 feet, shingle roof, hot air heating, combination lighting, hot water heating. Owner is taking sub-bids.

Mission House, Reading, Pa., \$20,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owners, Hope Rescue Mission, Wm. White, Superintendent, Reading, Pa. Brick, stone trimmings, 3 stories, 55x90 feet, slag roof, concrete roof, steam heating, electric lighting, reinforced concrete floors, metal sash, dumb-waiter, clothes dryers, damp-proofing. Contract awarded to H. J. Raudenbush, Reading, Pa.

Residence (alt. and add.), Wyncote Manor, Pa. Architects, Frank Seeburger and C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, George Gray, Glenside, Pa. Frame and plaster, 2½ stories, slate roof, hot water heating, electric lighting, hardwood

floors, tile work. Contract awarded to M. E. Hauser, Glenside, Pa.

Passenger Station, Coatesville, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Brick and stucco, 2 stories, 27x72 feet, slate roof, steam heating, electric lighting, tile and marble work. Contract awarded to Edward F. Fonder, Land Title Building, Philadelphia.

Residence (alts.), Cynwyd, Pa. Architects, Savery & Scheetz, Stephen Girard Building. Owner, J. Reo Patterson, Cynwyd, Pa. (Plumbing, heating, electric work, hardwood floors, tile work separate bids). Contract awarded to H. E. Grau Co., 1707 Sansom st., Philadelphia.

Motor Sales Building, 214 North Duke st., Lancaster, Pa., \$15,000. Architect, J. B. Harman, 48 North Queen street, Lancaster, Pa. Owner, Frank Sprecher, Lancaster, Pa. Reinforced concrete, brick and terra cotta, 3½ stories, 30x95 feet, composition roof, hot water heating, electric lighting, reinforced concrete floors. Contract awarded to Ray Clark, Lancaster, Pa.

Apartment House, Harrisburg, Pa., \$50,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, J. H. Patton, 1924 North Third street, Harrisburg, Pa. Brick, steel and reinforced concrete, 5 stories, 45x85 feet, tile, slate and tin roof, steam or vapor heating, electric lighting, tile and hardwood floors, waterproofing and damp-proofing, elevator. Contract awarded to August Wildman, Harrisburg, Pa.

Residence, York, Pa., \$50,000. Architect, Robert A. Sair, York, Pa. Owner, Dr. W. S. Eisenhart, York, Pa. Hollow tile and stucco, 2½ stories, 34x70 feet, slate or tile roof, hot water heating or vapor heating, electric lighting, hardwood and tile floors, waterproofing. Contract awarded to S. F. Flatfelter, York, Pa.

Residence and Garage, Chester, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, C. M. C. Lewis, Chester, Pa. Stone, 2½ stories, 35x40 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to Arthur Machin & Co., Chester, Pa.

Bank and Office Building, Chester, Pa., \$200,000. Architects, Mowbray & Uffinger, 66

Liberty street, New York City. Owners, Delaware County Trust, Safe deposit and Insurance Co., Chester, Pa. Brick, granite, marble, terra cotta and steel, fireproof, 8 stories, 62x163 feet, Barrett's roof, steam heating, electric lighting, metal lath, waterproofing and damp-proofing, hollow tile, fireproofing, ornamental iron, marble and tile work, metal sash, yellow pine floors. Contract awarded to John H. Parker Co., 315 Fourth avenue, New York City.

Residence (alt. and add.) and Farm Buildings, near Media, Pa. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owner, Furman Furness, Media, Pa. Stone and frame, 2½ stories. Consists of alterations and additions to residence. Barn, cottage, wagon shed and greenhouse, shingle roofs, electric lighting, hot water heating, hardwood floors, tile work. Contract awarded to George L. Croll, Rosemont, Pa.

Parish House (alt. and add.), York, Pa., \$10,000. Architects, Gemmill & Billmeyer, York, Pa. Owner, St. John's P. E. Church, Rea. Arthur Taylor, York, Pa. Brick, 2 stories, 35x40 feet, slate roof, steam heating, electric lighting. Contract awarded to Hess Brothers, York, Pa.

Residence, York, Pa., \$10,000. Architects, Gemmill & Billmeyer, York, Pa. Owner, Charles Kurtz, York, Pa. Brick and stone, 2½ stories, 47x34 feet, slate roof, electric lighting, tile and hardwood floors. Contract awarded to George Gilbert, York, Pa.

Twin Residence, York, Pa., \$10,000. Architects, Gemmill & Billmeyer, York, Pa. Owner, William Sprankle, Nashville, Pa. Brick, 2½ stories, 48x65 feet, slate and slag roof, hot water heating, combination lighting, hardwood and tile floors. Contract awarded to J. Hoke & Son, Thomasville, Pa.

New Jersey Construction News

School Building, Gibbstown, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Gibbstown, N. J. Brick, limestone trimmings, 2 stories, 85x60 feet, slate roof, gum wood floors, slate blackboards (heating, plumbing and electric work separate bids). Owners taking bids, due June 6th. The following are figuring: Eugene Tourison, 1001 Chestnut street, Philadelphia; Charles D. Burns, Drexel Building; McCloskey & Bahls, Hale Building, Philadelphia; Geo. W. Shaper & Co., Palmyra, N. J.; Richman Construction Co., Moorestown, N. J.; Joseph Rowen, Moorestown, N. J.

School, Trenton, Junction, N. J. Architect, Robert A. Schumann, 932 Lambertson street, Trenton, N. J. Owners, Board of Education of Ewing Township, Elwood Hendrickson, Trenton, N. J. Brick, stone trimmings, 2 stories, 105x103 feet, slate and slag roof, metal lath, hollow tile walls, safety treads, fire doors, roof ventilators, slate blackboards, tile work, pine floors (heating, plumbing and electric work separate bids). Owners have received bids.

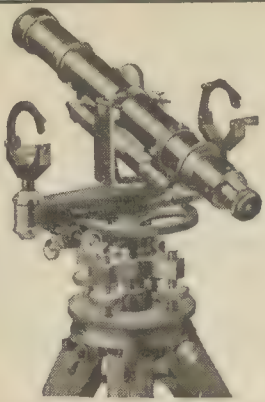
Library Building, Collingswood, N. J., \$15,000. Architects, Chas. W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, City of Collingswood, Collingswood, N. J.

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Power House, (add.), Trenton, N. J., \$25,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, N. J. State Hospital, Warden Samuel T. Atehley. Brick, 1 story, 44x71 feet and 24x24 feet, slag roof, steam heating, electric lightin, concrete floors, 150 foot brick stack, (4) boilers. Owners taking bids. The following are figuring: Edw. Fay & Son, 2 South Mole street; Metzger & Fisher, Denekla Building; Hughes-Foulkrod Co., Commonwealth Building; Jas. P. Farrell & Co., 1619 Sansom street; John N. Gill & Co., Heed Building, all of Philadelphia; De Kimpe Const. Co., Hoboken, N. J.; Mathew Const. Co., Princeton, N. J.; S. W. Mather & Son, Trenton, N. J.; J. S. Rogers & Co., Moorestown, N. J.; Thomas J. Brady, Jr., Construction Co., 1170 Broadway, New York City; W. J. Coughlin, Jersey City, N. J.; R. D. Stecker, Troy, N. Y.; John Loury, 8 W. Fortieth street, New York City; Peter Keeler Building Co., Albany, N. Y.; Wilbert R. Titus, Woodbury, N. J.

Factory (add.), Trenton, N. J., \$4,500. Architect, J. Osborne Hunt, 114 North Montgomery avenue, Trenton. Owners, Magnetic

Pigment Co., Cass and Canal streets, Trenton. Brick and steel, 2 stories, 40x40 feet, slag roof, steam heating, electric lighting, reinforced concrete floors. Architect taking bids.

Church (alt. and add.), Trenton, N. J., \$24,000. Architect, R. A. Schumann, 341 Tyler avenue, Trenton, N. J. Owners, Central Baptist Church, Trenton, N. J. Stone and brick, 1 story, 45x89 feet, slate roof, vapor heating, electric lighting, tile work. Architect taking bids.

Resorting Barracks, Trenton, N. J., \$15,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State House Commission, Trenton, N. J. Brick and stone, 2 stories. Owners taking bids, due June 13th. Edw. Fay & Son, 2 South Mole street, Philadelphia, is figuring.

Residence, Merchantville, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, George Ostermayer, Merchantville, N. J. Hollow tile and plaster, 2½ stories, 30x50 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Architect taking bids, due June 9th. The following are figuring: Eugene Tourison, 1001 Chestnut street; George W. Shaner, Palmyra, N. J.; J. S. Rogers & Co., Moorestown, Pa.; J. W. Draper, b36 Haddon avenue, Camden, N. J.

NEW JERSEY

Contracts Awarded

Store, 225 North Broad street, Trenton, N. J., \$6,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton. Owner, A. A. Skirm, Trenton, N. J. Brick, 2 stories, 83x26 feet, slag roof, steam heating, electric lighting. Contract awarded to Scott & Day, Trenton, N. J.

Church, Keansburg, N. J., \$17,000. Architect, W. P. Endebrook, American Mechanics Building, Trenton. Owners, R. C. Church, Rev. John E. Murry, New Monmouth, N. J. Brick, 1 story, 50x104 feet, slate roof (heating and lighting reserved). Contract awarded to Benjamin Covert, Red Bank, N. J.

Storage Warehouse, Sweets avenue, Trenton, N. J., \$15,000. Architect, J. Osborne Hunt, 114 N. Montgomery avenue, Trenton. Owners, City of Trenton, N. J., Water Department. Brick, 2 stories, 70x70 feet and 68x26 feet, slag roof, electric lighting, reinforced concrete floors, steel sash, steel stairs. Contract awarded to James Morris, Trenton, N. J.

Laundry (add.), Trenton, N. J., \$1,500. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State Home for Girls, care Mrs. Mansell, Trenton, N. J. Brick, 1 story, 15x28 feet, slag roof, steam heating, electric lighting, composition floors, hollow tile ceilings. Contract awarded to Elmer H. Stout, Trenton, N. J.

Casino and Amusement Building, Ninety-eighth and New Boardwalk, Stone Harbor, N. J. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Dr. S. E. Watkins, Stone Harbor, N. J. Frame, 1 story and balcony, 64x80 feet, shingle roof, electric lighting, wood floors. Contract awarded to Larsen Contracting Co., Stone Harbor, N. J.

Bank Building, Phillipsburg, N. J., \$75,000. Architects, Dennison & Hiron, 475 Fifth avenue, New York City. Owners, Moshannon National Bank, Phillipsburg, N. J. Brick and reinforced concrete, 3 stories, 90x120 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing. Contract awarded to William Linker Co., 831 Cherry street, Philadelphia, who are taking sub-bids.

Residence, South Orange, N. J., \$20,000. Architect, E. B. Delk, 34 South Seventeenth street, Philadelphia. Owner, Jacob E. Heyl, 431 Chestnut street, Philadelphia. Hollow tile and plaster, 2½ stories, 56x25 feet, wing, 20x17 feet, slate roof, vapor steam heating, electric lighting, oak floors, tile work (metal weatherstrips reserved). Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

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Miscellaneous

Construction News

Y. M. C. A. Building, Wilmington, Del., \$200,000. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owners, Y. W. C. A., 908 King street, Wilmington, Del. Brick, steel, marble and terra cotta, 5 stories, 85x150 feet, tile roof, steam heating, electric lighting, hollow tile, tile and hardwood floors, waterproofing, dampproofing, kalamein doors, metal lockers, ventilators, elevators, shower baths, dumbwaiters, gymnasium. Plans in progress.

Apartments (6) and Stores (3), West Ninth street, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Mrs. Wm. Hammond, Wilmington, Del. Brick, terra cotta and steel, 3 stories, 65x150 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence (alt. and add.), Middletown, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Mrs. Nora Weber, Middletown, Del. Stone and frame, 2½ stories. Architect taking bids. W. D. Haddock & Co., 804 Orange street, Wilmington, are the only bidders.

Residence, Wilmington, Del. Architect, Leon Wilde Crawford, Odd Fellows Temple, Wilmington. Owner, Wm. A. Joslyn, Wilmington, Del. Hollow tile and stucco, 2½ stories, 30x33 feet, slate roof, hot water heating, electric lighting, hardwood floors, waterproofing. Architect has received bids.

Office Building, Wilmington, Del., \$30,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Misses A. L. and F. M. Crawford, 916 Delaware avenue, Wilmington, Del. Brick, stone trimmings, 3 stories, 16x70 feet, slag roof, steam heating, electric lighting. Contract awarded to Chas. H. Tindall & Son, 614 Tatnall street, Wilmington, Del.

School Building, Camden-Wyoming, Del. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Camden-Wyoming School Board. Brick and stone trimmings, 2 stories and basement, 89 x68 feet, slag roof, hot air heating, electric lighting, cement and wood floors, roof ventilators, shower baths. Architect taking bids, due May 31st. Smith-Hardican Co., 1606 Cherry street, Philadelphia, is figuring.

Residence, Stable and Garage, Brookville, L. I., \$60,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, David Dows, 120 Broadway, New York City. Brick, concrete floors, 33 stories, 94x63 feet,

shingle tile roof, steam heating, oak floors, tile and marble work (electric lighting, dumb-waiters, clothes dryers reserved). Architect taking revised bids, due June 1st. Metzger & Fisher, Denekla Building, and Milton W. Young, Overbrook, Philadelphia, are figuring. Residence, Wilmington, Del. Architects,

Charles Barton Keen, Bailey Building, Philadelphia. Owner, Arthur M. Spruance, Dupont Building, Wilmington. Brick, 2½ stories, 50x50 feet, warm air heating, electric lighting, hardwood floors, tile work. Plans completed. Architect will take bids in a few days.

MARYLAND Construction News

Church, Betterton, Md., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Sacred Heart R. C. Church, Rev. J. F. Herver, Chestertown, Md. Brick and stone, 1 story, 30x80 feet, slate roof, steam heating, electric lighting. Owners are sub-letting all contracts.

Theatre (alt. and add.), North avenue and Charles street, Baltimore, \$100,000. Architect, A. Lowther Forrest, Law Building, Baltimore. Owners, Winter Garden Amusement Association, Baltimore. Brick and terra cotta, slag roof, steam heating, electric lighting, tile and marble work, concrete work, fireproofing. Plans in progress.

Residence, Frederick avenue, near North Bend, Baltimore, \$8,000. Architect, Wm. B. Gerwig, 1028 North Fulton avenue, Baltimore. Owner, Mrs. Fred C. Joh, Augusta Apartments, Baltimore, Md. Frame, 2½ stories, 35x38 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Elkridge street, Baltimore, Md. Architect, A. Worthington, Relay, Md. Owner, S. S. Murray, Munsey Building, Baltimore. Brick, 2½ stories, 30x50 feet. Plans in progress. Too early for details.

Residence, Bishop road, Guilford, Baltimore. Architect, A. Lowther Forrest, Law Building, Baltimore. Owner, William Pepper Constable, 700 Maryland Trust Building, Baltimore. Brick, 2½ stories, slate roof, hot water heating, electric lighting. Plans about completed. Architect ready for bids.

Home Building, Pen Lucy avenue, near Old York road, Baltimore, Md., \$150,000. Architects, Baldwin & Pennington, 330 North

Charles street, Baltimore. Owners, St. Elizabeth's Home, on premises. Stone, 3 stories, slag roof, electric lighting. Plans in progress. Too early for details.

Lodge Building and Stores, Charles and Preston streets, Baltimore, \$175,000. Architect, Clyde N. Friz, Munsey Building, Baltimore. Brick, stone and terra cotta, 5 stories, 83x150 feet, roof, not decided, steam heating, electric lighting, elevators. Plans in progress. Owners, Knights of Pythias, care R. L. Lee, 232 St. Paul, street, Baltimore.

Hotel (remodeling), northwest corner of Charles and North avenue, Baltimore. Architect, Smith & May, Calvert Building, Baltimore. Owner, E. Chemlar, 1716 Guilford avenue, Baltimore. Consists of general interior alterations, electric lighting, plumbing, tile work. Plans in progress.

School and Convent, northeast Maryland avenue and Twenty-seventh street, Baltimore, \$40,000. Architect, Hugh I. Kavanaugh, 226 East Eager street, Baltimore. Owners, SS. Philip & James R. C. Church, Rev. John E. Wade, Charles street, near Twenty-seventh street, Baltimore. Brick, 3 stories, 106x36 feet and 90x32 feet, slag roof, steam heating, electric lighting, fireproof stairs and halls, tile work, vacuum cleaner. Plans about completed. Architect will soon take bids.

Sunday School, Forty-second street, near York road. Architect, J. E. Laferty, 11 E. Lexington street, Baltimore. Owners, Boundary Avenue M. E. Church, Rev. F. C. Reynolds, 719 Arlington street, Baltimore. Stone, 1 and 2 stories, 42x90 feet. Plans in progress. Too early for details.

MARYLAND Contracts Awarded

Manufacturing Plant, Curtis Bay, Md. Architect, private plans. Owners, Curtis Bay Chemical Co., Inc., Curtis Bay, Md. Eight concrete buildings, slag roofs. Contract awarded to Geo. A. Fuller Co., Munsey Building, Washington, D. C.

Dwelling and Garage, Guilford, Md. Architect, Geo. R. Callis, Jr., 218 East Lexington street, Baltimore. Owner, Mary Kennedy, 603 University Parkway, Baltimore. Stone, 2½ stories, 41x52 feet, wing 22x25 feet; garage, 1 story, 24x28 feet, slate roofs, hot air heating, electric lighting, tile work, oak floors, metal weatherstrips, concrete and cement floors, waterproofing. Contract awarded to C. Walter Tovell, Eutaw and McCulloh streets, Baltimore.

Garage, University Parkway, Baltimore, Md. Architect, E. H. Glidden, Garrett Building, Baltimore. Owners, Wentworth Apartments, Cathedral and Mulberry streets, Baltimore. Concrete, 1 story, slate roof, electric lighting. Contract awarded to West Con-

struction Co., 218 E. Lexington street, Baltimore.

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TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 20, 1916.—Sealed proposals will be opened in this office at 3 p. m., June 22, 1916, for the construction, complete, of the United States post office at Rumford, Me. Drawings and specifications may be obtained from the custodian of site at Rumford, Me., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 25, 1916.—Sealed proposals will be opened in this office at 3 p. m., June 20, 1916, for the construction complete of the United States Post Office at Waterloo, N. Y. Drawings and custodian of site at Waterloo, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 26, 1916.—Sealed proposals will be opened in this office at 3 p. m., June 26, 1916, for the construction complete at the United States post office at Pottstown, Pa. Drawings and specifications may be obtained from the custodian of site at Pottstown, Pa., or at this office, in the discretion of the Acting Supervising Architect. Jos. A. Wetmore, Acting Supervising Architect.

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Editorial Comment

The growing use of color in present day architecture lends special interest to an article on "The Value of Clean Color in Decoration" in the May "Craftsman." The author is Albert Herter. Mr. Herter attributes our American predisposition to the drab, the sober, and the sombre, to the strain of the Puritan in us.

"For several generations back all freshness of color or character seems to have been regarded as alarming," writes Mr. Herter. "I never have been able to understand just why a brown ambiguity, vagueness in point of view, in theory and expression should have been accepted as a virtue. Whether it is because the first people who came to America came to escape the punishment usually meted out to people who have convictions, and in the natural order of things their descendants have reacted from the state of mind that makes pioneers, it is hard to say; but certainly we have managed in the past to produce an unconvincing type of civilization—our houses nondescript, our people mongrel, our art sense without vivid relation to country or individuality, provincial, in fact.

"We have almost grown to feel that color was vulgar, even though we may have recovered from the Puritan point of view which regarded it as sacrilegious—the poor Puritans who in a new, radiant country, grayed off light at every angle. It is only very recently that we have lost our fear of brilliancy and purity of color, that we have dared to have 'clean color' in our architectural ornament, in our gardens, fabrics, pottery, and really only within the last year or two that we have grown to appreciate it in furniture. And yet there is no more powerful force for peace and delight or for irritation and depression than color, and whether it is somber in itself or in its combinations, matters little in its power to depress and to render uncomfortable. Of course, there are times when sober color may be used, as there are times when sinister or gay and humorous colors may be introduced in interiors, but there is no time when color should be so depleted and anaemic that it ceases to excite any emotional reaction whatsoever.

"It seems very possible to make combinations, as I have tried to do in fabrics, where there is what painters call broken color throughout, giving to the surface, however gray, a luminous quality."

"Leon Bakst has said interesting things about the use of color, and has perhaps been one of the greatest radical experimenters that the decade has known, both in the staging of plays and of dancing. He frankly selects colors and combines them with a view to expressing the same emotions that the drama or that motion will produce. For instance, in his 'Scheherazade' he uses a lugubrious green

against a blue, as he says, full of despair. Then he goes on to say, 'There are reds which are triumphal and there are reds which assassinate. There is a blue which can be the color of a St. Madeleine, and there is a blue of a Messalina. The painter who knows how to make use of this, the director of the orchestra who can with one movement of his baton put all this in motion, without crossing them, who can let flow the thousand tones from the end of his stick without making a mistake, can draw from the spectator the exact emotion which he wants him to feel.' He believes that it is possible to bring out every effect in color and line that can be produced with the spoken word or through the influence of music."

* * *

Mr. Herter is a convert to the view of Mr. Irving Pond that we have reached a stage in our national development at which we have the right to look for a distinctively American note in our architecture. While he does not say it in so many words, he leaves us with the impression that a certain Americanization of period types, plus the color note, is the channel through which our architecture is to arrive at this final nationalization.

"I feel that the time has come when absolute imitation of any period in architecture, furniture or decoration is not greatly valued except for educational purposes," he writes. We are becoming more and more a developed personality as a nation, we are losing our provinciality, we are ceasing to be fearful of our own expression; in other words, the American has developed an outline. This outline is realized in his more definite taste in music, drama, his architecture and the fitting of his home.

"Above all things the American interior to-day should be comfortable and cheerful. I think that the use of painted wood is going to bring a delightful color note into our homes. Everywhere we are working for the beautiful thing that is more individual and of necessity useful and comfortable."

* * *

In the same number of the same excellent magazine, Mr. Irving J. Gill, whose severely geometrical design is said to key wondrously well with the shaggy beauty of the California hills, continues his series of articles on "The New Architecture of the West." Taking as his text "An Architect is Known Rather by What He Omits," Mr. Gill contributes a series of thoughtful and ingeniously reasoned chapters dealing not only with the subject selected by him in particular, but with architecture per se in general.

"Architecture, Victor Hugo says, is the great book of the world, the principal expression of man in his different stages of development, the chief register of humanity," writes

Mr. Gill. "Every religious symbol, every human thought has its page and its monument in that immense book. Down to the time of Gutenberg, he points out, architecture was the principal, the universal writing. Whoever was born a poet then, became an architect. All arts obeyed and placed themselves under the discipline of architecture. They were the workmen of the great work. There was nothing which, in order to make something of itself, was not forced to frame itself in the shape of architectural hymn or prose. He has shown us that the great products of architecture are less the works of individuals than of society, rather the offspring of a nation's effort than the inspired flash of a man of genius, the deposit left by a whole people, the heaps accumulated by centuries, the residue of successive evaporations of human society; in word, a species of formation. Each wave of time contributes its alluvium, each race deposits its layer on the monument, each individual brings his stone.

"No architect can read his inspired analysis of the place and the importance of architecture in preserving the records of the world's thought and action, without approaching his own part in this human record with a greater reverence and greater sense of responsibility. What rough or quarried stone will each of us contribute to the universal edifice, what idle or significant sentence will we write with brick and stone, wood, steel and concrete upon the sensitive page of the earth?"

* * *

"If we, the architects of the West, wish to do great and lasting work we must dare to be simple, must have the courage to fling aside every device that distracts the eye from structural beauty, must break through convention and get down to fundamental truths.

"Through force of custom and education we, in whose hands much of the beauty of country and city is entrusted, have been compelled to study the style of other men, with the result that most of our modern work is an open imitation or veiled plagiarism of another's idea.

"To break away from this degradation we must boldly throw aside every accepted structural belief and standard of beauty and get back to the source of all architectural strength—the straight line, the arch, the cube and the circle—and drink from these fountains of Art that gave life to the great men of old."

* * *

In the foregoing chapter we have Gill the radical, the architectural cubist preaching the simplicity of daring, the doctrine of the severely geometric. Somewhere about equidistant from Gill in his role of the extremist and the over-ornate school with which we are only too familiar here in the East lies hidden, like truth in a well, the architecture of the future. But, to resume:

"Every artist must sooner or later reckon directly, personally with these four principles—the mightiest of lines. The straight

line borrowed from the horizon is a symbol of greatness, grandeur and nobility; the arch patterned from the dome of the sky represents exultation, reverence, aspiration; the circle is the sign of completeness, motion and progression, as may be seen when a stone touches water; the square is the symbol of power, justice, honesty and firmness. These are the bases, the units of architectural language, and without them there can be no direct or inspired architectural speech. We must not weaken our message of beauty and strength by the stutter and mumble of useless ornaments. If we have nothing worth while to say with our building then we should keep quiet. Why should we chatter idly and meaninglessly with foolish ornaments and useless lines?"

* * *

"Any deviation from simplicity results in a loss of dignity. Ornaments tend to cheapen rather than enrich, they acknowledge inefficiency and weakness. A house cluttered up by complex ornament means that the designer was aware that his work lacked purity of line and perfection of proportion, so he endeavored to cover its imperfection by adding on detail, hoping thus to distract the attention of the observer from the fundamental weakness of his design. If we omit everything useless from the structural point of view we will come to see the great beauty of straight lines, to see the charm that lies in perspective, the force in light and shade, the power in balanced masses, the fascination of color that plays upon a smooth wall left free to report the passing of a cloud or nearness of a flower, the furious rush of storms and the burning stillness of summer suns.

"We would also see the glaring defects of our own work if left in this bold, unornamented fashion, and therefore could swiftly correct it.

"I believe if we continually think more of line, proportion, light and shade, we will reach greater skill in handling them, and a greater appreciation and understanding of their power and beauty. We should build our house simple, plain and substantial as a boulder, then leave the ornamentation of it to Nature, who will tone it with lichens, chisel it with storms, make it gracious and friendly with vines and flower shadows as she does the stone in the meadow. I believe also that houses should be built more substantially and should be made absolutely sanitary. If the cost of unimportant ornamentation were put into construction, then we would have a more lasting and a more dignified architecture."

* * *

Here is a chapter on the California landscape that discloses an artist's grasp of the relation which should subsist, in all effective designing, between the building and its environment, the form and treatment of the structure and its site and setting:

"Because of the intense blue of sky and sea that continues for such long, unbroken periods, the amethyst distant mountains that form an almost universal background for houses or cities, the golden brown of summer

fields, the varied green of pepper, eucalyptus and poplar trees that cut across it in such decorative forms and the profusion of gay flowers that grow so quickly and easily, houses of a bright romantic picturesqueness are perfectly suitable that would seem too dramatic in other parts of the country. They seem a pleasing part of the orange-belted flower fields and belong to the semi-tropical land.

"These same houses would certainly look artificial and amusingly uncomfortable and out of place in the East; but they essentially belong to the land of sunshine."

* * *

"The contour, coloring and history of a country naturally influence its architecture. The old wooden Colonial houses of the East, shaded by noble elms, with their attendant lanes and roads outlined by stone walls, perfect pictures of home beauty; the stone houses of Pennsylvania, charming in color, stately, eloquent of substantial affluence and generous hospitality; and the adobe houses of the Arizona Indians formed of the earth into structures so like the surrounding ledges and buttes in shape that they can scarcely be told from them, triumphs of protective, harmonious building, are familiar types of buildings characteristic of their locality.

"California is influenced, and rightly so, by the Spanish Missions as well as by the rich coloring and the form of the low hills and wide valleys. The Missions are a part of its history that should be preserved, and in their long, low lines, graceful arcades, tile roofs, bell towers, arched doorways and walled gardens we find a most expressive medium of retaining tradition, history and romance. In coloring and general form they are exactly suited to the romantic requirements of the country. It is safe to say that more architectural crimes have been committed in their name than in any other unless it be the Grecian temples. The facade of the San Diego Mission is a wonderful thing, something that deserves to be a revered model, something to which local building might safely and advantageously have been keyed. Instead of this it has been abused and caricatured in the most shocking way. Its charming proportions and graceful outline have been distorted to adorn tall public buildings, low railway stations, ornate hotels, cramped stables and minute private houses in the most irreverent, inexcusable and pitiable way. The arched cloisters of the Missions have been seized upon and tortured until all semblance of their original beauty has been lost. Their meaning and definite purpose—that of supporting the roof or the second story and thus forming a retreat or quiet walk for the monks—has been almost forgotten."

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"The arch is one of our most imposing, most picturesque and graceful architectural features. Its power of creating beauty is unquestionable, but like any other great force, wrongly used, is equally destructive. Fire warms and cheers us and cooks our food, but if not carefully handled destroys everything it touches. The Missions have taught us also the beauty and usefulness of the court. Romana's house, a landmark as familiar in the South as some of the Missions, was built around three sides of an open space, the other side being a high garden wall. This home plan gave privacy, protection and beauty. The court contains a pool and well in the center and an arbor for grapes along the garden wall; the archway that runs along the three sides formed by the house made the open-air living rooms. Here were arranged couches for sleeping, hammocks for the siesta, easy chairs and tables for dining. There was always a sheltered and a sunny side, always seclusion and an outlook into the garden. In California we have liberally borrowed this home plan, for it is hard to devise a better, cozier, more convenient or practical scheme for a home. In the seclusion of the outdoor living rooms and in their nearness to the garden, the arrangement is ideal."

* * *

We have quoted rather liberally from the Gill article for the reason that this Pacific Coast radical in architecture is one of the men who, in the opinion of Eastern visitors, who have studied his work at close range, is destined to do big and significant things in what is called "the new architecture." And for another reason, which is that Mr. Gill writes well and interestingly of a movement but little understood here in the East—the revolt of the far West against the preponderating French and Italian influence in American architectural design.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Keller Bros. (O and C), Nearmon road. Cost, \$5,600. Four dwellings, 15x36 feet, slag roof, hot air heating, 2 stories, south side Repka, 40 feet west of Wilde street.

P. E. Leufastey (O), Wyncote, Pa. J. Paul Emery (C), 4907 Wynnefield avenue. Cost, \$6,300. Dwelling, brick, 22x42 feet, 2 stories, shingle roof, hot water heating, east side Fifty-third street, about 200 feet north of Wynnefield avenue.

C. B. Porter Co. (O), 231 North Second st. Stewart Bros. (C), 2428 and 30 North Orkney street. Cost, \$35,000. Building, brick, 5 stories, felt and slag roof, steam heat, size not given, 124 North Second street.

Max Haupt (O), 820 Drexel Building. Louis Swerdloff (C), 2345 South Beulah street. Cost, \$269,000. Twenty-ninth dwellings, brick, slag roof, hot water heating, 2 stories. Three dwellings, 16x30 feet, south side Chancellor street, west Fifty-eighth st. Two dwellings, 16x30 feet, north side Chancellor street, west of Fifty-ninth street. Two dwellings, 16x39 feet, southwest corner Fifty-ninth and Chancellor streets. Two dwellings, 16x30 feet, northwest corner Fifty-ninth and Irving streets. ne dwelling, 16x34 feet, northwest corner Fifty-ninth and Irving streets. Four dwellings, 16x39 feet, northwest corner Fifty-ninth and Irving streets. Four dwellings, 16x39 feet, corner Fifty-ninth and Chancellor sts. Two dwellings, 16x39 feet, corner Fifty-ninth and Locust streets. Three dwellings, 16x31 feet, corner Fifty-ninth and Locust streets. Two dwellings, 16x31 feet, corner Fifty-ninth and Locust streets.

John Stafford (O), 141 Green lane. Elmer L. Cuthbertson (C), 334 Roxborough street. Cost, \$4,175. Dwelling, brick, 16x35 feet, tin roof, hot water heating, northwest corner Green lane and St. David street.

Francis E. Hennessey (O), Fifth and Walnut streets. G. J. Reich (C), 1112 Souden street. Cost, \$78,000. Fifteen dwellings, brick, 3 stories, slag roof, steam heating.

One dwelling, 16x47 feet, northeast corner Broad and Wingohocken streets. Fourteen dwellings, 16x47 feet, east side Broad street, west of Wingohocken street.

Denny Hilborn & Rosenbach (O), 232 North Twelfth street. Henry E. Baton (C), Twelfth and Sansom streets. Cost, \$17,000. Building, reinforced concrete, slag roof, 17x90 feet, 5 stories, steam heating, 234 North Twelfth st.

Samuel M. Clement, Jr. (O), West End Trust Building. Frederick Elridge & Sons (C), 5522 Germantown avenue. Cost, \$3,750. Garage, 23x34 feet, slate roof, steam heating, 2 stories, southeast corner Hortter streets and Wissahickon avenue.

A. M. Zane (O and C), 220 Tioga street. Cost, \$85,500. Forty-five dwellings, brick, slag roof, hot water heating, 2 stories, 15x36 feet, Alleghany avenue and Bailey street.

J. Charles Yundt (O and C), 301 W. Tabor road. Cost, \$8,000. Fous dwellings, brick and stone, 14x37 feet, slag roof, hot water heating, 2 stories, Fairhill and Lindley avenue.

Harry R. Moyer (O and C), 1923 Atlantic avenue. Cost, \$82,000. Dwelling, brick, slag roof, hot air heating, two stories, 14x41 feet, Albright and Amber streets.

Board of Education (O), Nineteenth and Market streets. Melody & Keating (C), 1322 Race street. Cost, \$59,000. School, reinforced concrete, 3 stories, slag roof, steam heating, 62x74 feet, Twenty-third and Cambria streets.

W. Percival Johnson (O and C), 4039 Lancaster avenue. Cost, \$80,400. Sixteen dwellings, stone and brick, slag roof, central heating plant, steam, 3 stories. Six dwellings, 23 x35 feet, 907 to 625 Wynnwood road. Eight dwellings, 23x35 feet, 911 to 933 Wynnwood road. Two dwellings, 24x36 feet, 935 to 837 Wynnwood road.

New York Pie Baking Co. (O), Twenty-fifth and Lombard streets. Philip Haibach Const. Co. (C), 1261 North Twenty-sixth st. Cost, \$25,000. Building, reinforced concrete, 2 stories, 32x126 feet, slag roof, north side Lombard street, west of Twenty-fifth street.

Alterations and Additions

Lutheran Orphan Home (O), 6950 Germantown avenue. L. W. Kitselman (C), 125 E. Upsal street. Cost, \$1,400. Porch, 20x26 feet, 6940 Germantown avenue.

Gimbel Bros. (O), Ninth and Market sts. Percival M. Sax (C), 812 Heed Building. Cost, \$1,600. Department store, extend first story balcony rear of store, 86x16 feet, Ninth and Market streets.

Halton Printing & Processing Co. (O), 3851 Frankford avenue. Geo. H. Thirsk & Son (C), 4104 Orchard street. Cost, \$6,000. Wash house, brick, 108x103, triangular, 2 stories, slag roof, Coral and Walm streets.

Jos. Young (O), 1429 South Twenty-third street. Chas. H. Zebley (C), Pine and Turner streets. Cost, \$900. Garage, brick, 11x14 feet, 1429 South Twenty-third street.

Theodore Marquetand (O), 3633 Germantown avenue. Chas. H. Fisher (C), 3654 N. Mervine street. Cost, \$550. Store, brick, addition, 3x24 feet, 3633 Germantown avenue.

Chas. Trapold (O), Krams avenue and

Mitchell street. Keller Bros. (C), 480 Herman road. Cost, \$700. Store, brick, one-story addition, 12x14 feet, tin roof, northwest corner Krams avenue and Mitchell street.

Mrs. Louise Martin (O), 3004 North Tulip street. Joseph Rambo (C), 1226 North Eighth street. Cost, \$500. Dwelling, brick, cellar, slag roof, 3004 Tulip street.

L. Antonof (O), 837 North Eighth street. Max Kane (C), 871 North Sixth street. Cost, \$1,200. Store, general alterations about bulk windows and repairs, 312-14-15 Poplar street.

Maud Piantieri (O), 359 E. Rittenhouse street. Chas. Davolio (C), 5845 Osola street. Cost, \$2,300. Dwelling, brick, 2 stories, front addition, 20x14 feet, 226 East Haines street, Germantown.

John Patterson (O), 2301 E. Ann street. Franklin L. Fauekner (C), 2303 E. Cambria street. Cost, \$500. Saloon, brick, one-story rear addition, 12x14 feet, slag roof, northeast corner Ann and Talys streets.

G. C. Callahan (O), Commercial Trust

Building. Hoog Const. Co. (C), 1634 Sansom street. Store, brick, \$4,800. General alterations, 412-14 Market street.

P. C. Tomson Co. (O), 29 Washington avenue. M. E. Brighman (C), 29 Washington avenue. Cost, \$1,000. Boiler house, brick, general repairs, 29 Washington avenue.

Max Secon (O), 5336 Osage avenue. Otto Matz (C), 2108 North Lawrence street. Cost, \$1,000. Store, brick, bake oven, 134 South Sixtieth street.

A. Lowry & Bro. (O), Delaware avenue and Arch streets. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Cost, \$1,000. Store and dwelling, brick, repair fire damage, 2419 Ridge avenue.

Westmoreland Dye Works (O), Westmoreland and East Jasper streets. H. R. Hennicke Inc. (C), Drexel Building. Cost, \$2775. Chimney, brick, 125 feet high, concrete foundations, south side Cornwall street, east of Jasper street.

J. J. Felin Co. (O), Philadelphia. Edw. Atkins (C), Philadelphia. Cost, \$500. Boiler house, brick, 40x60 feet, one-story, 4142 Germantown avenue.

J. J. Felin Co. (O), Philadelphia. Edw. Atkins (C), Philadelphia. Cost, \$3,000. Packing house, brick, 30x60 feet, 2 stories, as plans, 4142 Germantown avenue.

Samuel M. Clement, Jr. (O), West End Trust Building. Frederick Elridge & Son (C), 5522 Germantown avenue. Cost, \$2,250. Dwelling, brick porch, southeast corner Hortter street and Wissahickon avenue.

Geo. G. Nielly (O), 1419 Spring Garden street. H. H. Burrell (C), 206 South Quince street. Cost \$4,000. Storage, brick, repair fire damage, 1012-14-16 North American st.

J. A. Patterson (O), Fifteenth and Sansom streets. Brownworth Co., 1611 Sansom st. Cost, \$1,500. Apartment, install fire escapes, 1925-27 Chestnut street.

Benj. Appelbaum (O), 2009 South Sixth st. N. Litman (C), 2030 South Fifth street. Cost, \$400. Dwelling, brick, one-story rear addition, 12x12 feet, slag roof, general alterations, 2009 South Sixth street.

Jno. T. Lewis & Bros. (O and C), 705 Lafayette Building. Cost, \$6,500. Warehouse, corrugated steel, 63x63 feet, 2545 Armingo street.

U. G. I. Co. (O and C), Broad and Arch streets. Cost, \$500. Pump house, corrugated iron, 20x20 feet, Tioga and Casper streets.

Gillinder & Son (O), Tacony, Pa. Jno. F. Davies (C), 1110 Foulkrod street. Cost, \$10,000. Building, brick, 2 stories, addition 80x64 feet, southeast corner State road and Deverana street.

General Mfg. Co. (O), Swanson street and Snyder avenue. Henry P. Friend (C), Norristown, Pa. Cost, \$2,000. Building, brick, one-story as plan, slag roof, southeast corner Swanson and Snyder avenue.

C. W. McCling (O), 6210 Lansdowne avenue. F. Eshiorman (O), 1700 North Sixtieth street. Cost, \$1,000. Store and dwelling, 2 stories, front addition, 18x18 feet, slag roof, 6206 Lansdowne avenue.

W. Price (O), Montgomery avenue. Wm. Myers (C), 2000 East Cambria street. Cost, \$600. General repairs, 604-6-8 Flora street.

A. D. Mountain (O), 908 North Thirteenth street. Theo. L. Warfel (C), 916 North Thirteenth street. Garage, brick, 17x67 feet, slag roof, 1230 Cambria street.

T. Smithurst (O and C), Eighty-first and Lesser avenue. Cost, \$700. Bungalow, brick, 16x34 feet, tin roof, north side Lesser avenue west Eighty-first street.

John Roberts (O), 1610 North Fifteenth street. Frank G. English (C), 1608 North Carlisle street. Cost, \$435. Garage, brick, one-story addition, 4x20 feet, 1609 North Sydenham street.

Caroline Steinberg (O), 3145 Kensington

avenue. Harry Drake (C), 3139 Frankford avenue. Cost, \$1,500. Storage, brick, general repairs, no additions, 1912-14 East Clementine street.

Morris Chodoff (O), 522 Pine street. A. P. Luckner (C), 1727 North Fifty-first street. Cost, \$4,000. Dwelling, brick, third-story rear addition, 34x13 feet, slag roof, 728 Pine street.

Berachah Church (O), 2240 North Twenty-ninth street. F. B. Davis (C), 240 North Sixteenth street. Cost, \$8,900. Church, brick, new addition, 52x24 feet, 1 story and balcony as per plan, new roof, 2240 North Twenty-ninth street.

Young Men's Republican Club (O), southeast corner Jasper and Willard streets. Cost, \$800. Club house, brick, 2 story rear addition, 19x8 feet, slag roof, southeast corner Jasper and Willard streets.

Chas. J. O'Neil (O), southeast corner Palmer and Frankford avenue. Jacob Gaertner (C), 2214 North Third street. Cost, \$1,300. Shop, brick, 2 stories, slag roof, northwest corner Tulip and Palmer streets.

John McClatchy (O and C), 848 Land Title Building. Cost, \$500. Garage, stone, 20x23 feet, 1 story, slate roof, rear of 308 Lincoln drive.

H. M. Kuehner (O and C), 2174 East York street. Cost, \$1,500. Garage, brick, 18x74 feet, 1 story, slag roof, southeast corner Gorden and Sepriva streets.

B. Barbieri (O), 1608 East Passyunk avenue. Jos. Padolese (C), 1448 South Sixteenth street. Cost, \$900. Store and dwelling, brick, 2 stories, rear addition, 12x13 feet, slag roof and alterations, 1608 East Passyunk avenue.

M. Lunberg (O), 333 North Fourth street. Max Celtoir (C), 1031 Ogden street. Cost, \$700. Warehouse, brick, 2 stories, rebuild front, 333 North Fourth street.

Rev. E. F. Prendergast (O), Logan Square. John McShain (C), 1610 North street. Cost, \$2,300. Dwelling, tile blocks, third story addition, 45x31 feet, with 12-inch hollow tile slag roof as plans, northwest corner Sixty-second and Cedar avenue. Carthage rectory.

Penna. Co. (O), 517 Chestnut street. Brownworth & Co. (C), 1611 Sansom street. Cost, \$500. Apartment, erect one standard Philadelphia fire escape, 1328 Spruce street.

Mrs. R. Erksline (O), Eleventh street and Sixty-sixth avenue. L. Davis (C), Thirteenth stone, 20x20 feet, slate roof, southeast corner Eleventh and Sixty-sixth avenue.

Robert McAllister (O and C), 6813 Greenway avenue. Cost, \$4,000. Garage, brick, 1 story, 40x100 feet, slag roof, 6811-13 Greenway avenue.

J. O. Arnold (O), 2503 North Eighteenth street. Geo. A. Boyd (C), 211 East Willow Grove avenue. Cost, \$550. Dwelling, brick, general alterations, 4149 North Broad street.

R. M. Braithwart (O and C), Broad and Mt. Vernon streets. Cost, \$500. Factory, brick, 5 stories, elevator enclosure, 9x19 feet, northeast corner Broad and Mt. Vernon streets.

S. Herron (O), 5112 Thompson street. Searl (C), 5140 Thompson street. Cost, \$600. Store, brick, 1 story rear addition, 16x21 feet, slag roof, 1213 North Fifty-second street.

The Farm Journal (O), South Washington Square. Brownworth & Co. (C), 1611 Sansom street. Cost, \$800. Lodging, one standard Philadelphia fire escape, 702-04 South Washington square.

The Penna. Co. (O), 517 Chestnut street. Brownworth & Co. (C), 1611 Sansom street. Cost, \$500. Apartment, erect one standard Philadelphia fire escape, 1336 Spruce street.

E. P. Alexander (O), 414 North Third st. Turner Concrete Steel Co. (C), 1713 Sansom street. Cost, \$65,000. Building, concrete, 4 stories, front addition, 71x37 feet, rear addition, 71x90 feet, 414-16 North Third street, extending west to Oriana street.

Adam Smith (O), 133 North Twenty-first street. T. J. Bradley (C), 112 North Twenty-first street. Cost, \$575. Dwelling, new steam heating system, 133 North Twenty-first street.

American Can Co (O), Beach and Palmer streets. Horace H. Burrell (C), 206 South Quince street. Cost, \$1,200. Tile locker and toilet rooms, no additions, southwest corner Beach and Palmer streets.

G. H. Lorimer (O), Walnut Hill. Horace H. Burrell (C), 206 South Quince street. Cost, \$2,000. Building, 1 story, general repairs, no additions, east side Pine road, south of Welsh road, Walnut Hill.

Jas. Campbell (O), northwest corner of Eleventh and Cherry streets. Jno. Welsh (C), 138 North Seventeenth street. Cost, \$300. Store, brick, general alterations and repairs, northwest corner Eleventh and Cherry streets.

TRADE NEWS AND GOSSIP.

**The Detroit Roofing Tile Company has moved its office from 200 Fifth avenue to 103 Park avenue, New York City

**J. M. Currin, architect, has recently opened an office for the general practice of his profession in the Mutual Building, Richmond, Va. Mr. Currin is a graduate of the University of Pennsylvania.

**The Amco Glazed Block Company has recently moved its office from 347 Fifth avenue to 405 Lexington avenue, New York.

**Charles A. Carr, architect for the Bankers' Realty Investment Company, 706 Commerce Building, Kansas City, Mo., desires catalogs and samples from manufacturers and jobbers interested in the building trades.

**The MacArthur Concrete Pile and Foundation Company has moved its offices from 11 Pine street to the Equitable Building, 120 Broadway, New York.

**Percy H. Wilson, formerly secretary for the Association of American Portland Cement Manufacturers, has opened an office for the practice of his profession as a consulting engineer at 1232 Land Title Building, Philadelphia, Pa.

**E. V. Warren, architect, of Brooklyn, and C. W. Niehaus, sculptor, of New Rochelle, N. Y., have been selected to design the monument to the memory of Francis Scott Key, to be erected at Baltimore, Md.

BUSINESS PROSPECTS BRIGHT.

The business revival has gathered great force in the West and is working eastward. Numerous cities report trade to be far ahead of the best of previous seasons, according to commercial reports. Building operations during April in 149 principal cities were 15.5 per cent. ahead of the record of April a year ago.—New York "Record and Guide."

A COMMISSION THAT IS NEEDED.

As a consolation for many commissions appointed to regulate and restrict property interests, one appointed to help business would be popular in New York. As was said at the dinner of the National Association of Manufacturers, business interests should not be left to the mercy of the uplifters.—"Real Estate Record."

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INNOVATION AT COLUMBIA

Columbia University has inaugurated a notable experiment in co-operation between the teaching and the practice of architecture. On the assumption that nothing but good could accrue to both school and profession through a proper understanding and reciprocal appreciation of one another's provinces, the University authorities decided to invite three architectural societies of New York City to elect three practicing architects each, to form a Committee of Visitors, whose advice as based upon periodic inspections of the school's plant or equipment, current work and mode of teaching could be depended upon as a guide in checking up scholastic results by professional standards and demands. The three societies and the elected members from each to compose this committee are the following: From the New York Chapter of the American Institute of Architects, Bertram G. Goodhue, Charles A. Platt, and Egerton Swartwout; from the Society of Beaux-Arts Architects, Thomas Hastings, Henry F. Hornbostel, and Lloyd Warren; from the Alumni Association of the School of Architecture of Columbia, Goodhue Livingston, John Russell Pope, and I. N. Phelps Stokes.

It will be noted that the names of the members of the committee are those of practitioners in the forefront of their professions, which offers at once an indication of the favorable impression made by the plan in the ranks of those who practice only and never preach and also a good augury for the welfare of the project because of the predestined high quality of the suggestions and advice to be forthcoming.

The committee in question is purely an advisory one, but its work is none the less of great administrative value. Its recommendations will be the upshot of frequent attendance at the school, and, once submitted, it will be the function of the authorities of the school to make proper adjustment wherever academically feasible to accord the existing curriculum with the most urgent practical demands of the great body of architects who employ its graduates.

The committee has already begun upon its duties and has on several occasions inspected the current output at Avery Hall. A schedule has been arranged on the basis of which three members of the committee, one from each of the groups mentioned, will be invited to attend each of the judgments of work in De-

sign held during the year. Since about ten judgments are held at Columbia in the course of one academic year, this will offer a number of opportunities for each of the nine members of the committee to be present. On the occasions of each judgment the visiting members are also requested to attend classes, representative collateral work in the various branches is exhibited, all of the teaching staff are on hand to explain the method of teaching in their respective departments, and an instructor is deputed to act as academic Cicerone for the day.

We may frankly say that Columbia deserves the utmost credit for its understanding initiative in thus accepting the professional world in a definite physical sense as its pace maker. In selecting architects to be members of the Committee of Visitors the three participating architectural bodies have set their standard high. A noteworthy piece of work, quite in accord with the spirit of the day, has been undertaken and we may confidently look forward to an equally noteworthy achievement in architectural teaching. There should be no apprehension on the supposition that it is now planned to translate the school into terms of the office for there is not sufficient synonymy of purpose in the two fields, however closely they may be allied in the order of supply and demand. The school must in the final balance maintain its academic point of view; it cannot be made to assume,—except in its design branch alone,—the guise of the atelier; for the proper quantities of historic, theoretic, scientific and cultural material, not to mention untold hours of drawing, modeling and construction, must hold their place in the well rounded and closely co-ordinated system of teaching. The Committee of Visitors, then, will not attempt to govern but to advise. The technicalities of administrative control will remain as heretofore in the hands of the Administrative Board. On the other hand, the committee will call into play its hard bought experience, its knowledge of the fundamental demands of practice, as well as its cherished ideals of a great art ingrained through many qualitative tests, so that the scholastic intention may be brought to a full grasp of the objective of professional practice. Beyond the appointment of a practicing architect as director, virtually nominal, so far as his definite administrative functions concerned, or the giving of a few

lectures annually by men busy in the profession, the experiment at Columbia is, so far as we know, the first decisive step in the direction of de facto co-operation between a School of Architecture and the profession at large. We are now convinced that much good will come of it and that, as other schools adopt a similar procedure, both schools and profession will evince an increasing interest in one another's purposes and boldly we say it,—also in one another's shortcomings. The new dispensation offers the chief advantage of all co-operative plans, mutual benefits.—Curator Richard F. Bach in the "Architectural Record."

BRIDGE OF ARCHITECTURAL BEAUTY.

A Handsome Structure Planned to Span Pennypack Creek on the Northeast Boulevard.

Director Datesman, of the Philadelphia Department of Public Works, is advertising for proposals to be received June 13 for a bridge to carry Bensalem pike over Pennypack Creek, and over the drives and walks of Pennypack Park. The bridge is to be 80 feet wide and about 600 feet long, and will be the most important constructed since the completion of the Walnut lane arch. The estimated cost of the new bridge is \$200,000.

The completion of the bridge in 1917 will permit the improving of Bensalem pike from the Northeast Boulevard to Welsh road, and of Welsh road to Bustleton. This projected improvement will make the boulevard a part of the Lincoln Highway between this city and New York. Because of the importance attaching to the thoroughfare on which it is to be placed, the bridge has been planned as a massive and unusual piece of architecture.

The central span over the channel of the creek will be a semi-circular arch of 100 feet, while the adjoining spans will be 60-foot arches. North and south of these side arches concrete retaining walls will extend to points where the natural slopes of the ground rise to the level of Bensalem pike, which is about 60 feet above the creek bed.

ACCELERATES CONCRETE HARDENING.

A series of experiments was recently made by the United States Bureau of Standards for the purpose of developing a method for accelerating the hardening of concrete. The bureau found that 4 per cent. of calcium chloride added to the mixing water increases the strength of the concrete at the age of one day 100 per cent. or more. In some instances the strength of the concrete in which the calcium chloride was used at the age of two days equaled 75 per cent. or more of the strength normally attained in one month's time.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 The Rexim Co.....908 Chestnut st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Automobiles.**
 Eastern Motors Corporation,
 1634 Chestnut st., Phila.
- Blue Prints.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 The Rexim Co.....908 Chestnut st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
 Russell and Keffer, Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
- Cement.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
- Cement Colors.**
 Samuel H. French & Co., 4th and Callowhill sts.
- Columns (Metal).**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Concrete Construction.**
 Turner Concrete Steel Co.1715 Sansom st., Phila.
- Dampproofing.**
 The Aquabar Co...Real Estate Trust Bldg., Phila.
 The Barrett Co.....New York City and Phila.
 Builders' Steel Products Co.Fidelity Bldg., Phila.
- Door Hangers.**
 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
 Richards-Wilcox Mfg. Co.....50 N. 6th st., Phila.
- Drawing Materials.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Electrical Specialties.**
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.
- Electrical Construction.**
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.
- Engineers' Supplies.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Fences.**
 Anchor Post Iron Works,
 Real Estate Trust Bldg., Phila.
- Fire Doors.**
 Merchant & Evans Co.,
 2035 Washington ave., Phila.
- Fireproofing.**
 Builders' Steel Products Co.Fidelity Bldg., Phila.
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Flooring.**
 Currie & Campbell Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Furnaces.**
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
 Borden Stove Co.....118 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
 United Gas Improvement Co.,
 Broad and Arch sts., Phila.
- Granite.**
 Holmesburg Granite Co.,
 Commercial Trust Bldg., Phila.
- Heating Contractors.**
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.
- Heating Boilers.**
 H. B. Smith.....1225 Arch st., Phila.
- Insurance.**
 Harris J. Latta.....Penna. Bldg., Phila.
- Iron Work (Structural and Ornamental).**
 James G. Madden...Franklin Bank Bldg., Phila.
- Ladders.**
 T. C. Krewson....801 Master st., Phila., Pa.
- Lockers.**
 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.
- Lumber.**
 Currie & Campbell...Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Marble Mosaic.**
 Howard Ketcham....3d and Girard ave., Phila.
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
- Metal Lath.**
 Belfi Bros. & Co.....20-22 S. 19th st., Phila.
- Builders' Steel Products Co.Fidelity Bldg., Phila.**
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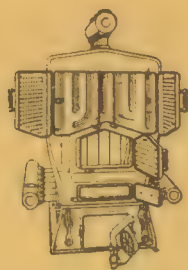


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Vol. XXXI, No. 23.

PHILADELPHIA, WEDNESDAY, JUNE 7, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence and Garage, Chestnut Hill, Pa., \$50,000. Architects, Mellor & Meigs, 205 S. Juniper street, Philadelphia. Owner, Francis S. McIlhenny, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 20x65 feet, and 30x53 feet, tile roof, tile and marble work, hardwood floors (heating and electric work reserved). Architects taking bids, due June 13th. The following are figuring: Henry L. Brown, 1714 Sansom street; J. C. Cornell & Son, Land Title Building; H. H. Burrell, 206 South Quince street; John E. Walt, 204 E. Willow Grove avenue; Pringle Borthwick, 8013 Germantownw avenue; Wm. J. Gruhler & Co., 210 E. High street.

Factory (alts.), Glenwood and Kensington avenues, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, A. J. Cameron Co., on premises. Consists of new concrete floors on fire balconies. Architects taking bids, due June 6th. Frank G. Stewart, 1619 Sansom street, is figuring.

Church and Sunday School, Orthodox street and Torresdale avenue. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Orthodox Street M. E. Church, Rev. J. T. Swwindells, 2236 Orthodox street. Stone, 1 and 2 stories, 99x68 feet, slate roof, steam heating, electric lighting, yellow pine floors. Architect taking bids, due June 10th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; E. E. Hollenback, Fifteenth and Race streets; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Church, Front and Allegheny avenue. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Providence M. E. Church, Rev. W. S. Smith, 3424 North Front street. Stone, 1 story, 54x62 feet, slate, tin and slag roof, electric lighting (heating and plumbing separate bids). Architect taking bids, due June 12th. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; Stewart Bros., 2526 North Orkney street; Thomas C. Trafford, 1613 Sansom st.; Henry P. Schneider, 3715 Old York road.

School Building, Fourth and Porter streets, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street, Philadel-

phia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and terra cotta, concrete floors, fireproof, 3 stories, 186x119 feet, composition roof, metal lath, fire doors, marble work, slate blackboards, roof ventilators (heating, plumbing and electric work separate bids). Owners taking bids, due June 12th at 1.30 P. M. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; W. W. Anstine & Co., 1213 Filbert street; Warren, Moore & Co., Commercial Trust Building, Philadelphia; Phelan Const. Co., Syracuse, N. Y., and Melody & Keating, 1322 Race street, Philadelphia.

School (adds.), Fifty-eighth and Media sts., Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick and terra cotta, 3 stories, (2) wings, 68x36 feet and 81x37 feet, composition roof, metal lath, slate blackboards, marble work, roof ventilators, fire doors (heating, plumbing and electric work separate bids). Owners taking bids, due June 12th at 1.30 P. M. Wm. R. Dougherty, 1610 Sansom street, and W. W. Anstine & Co., 1218 Filbert street, are figuring.

Picture Theatre (add.), 903 to 907 North Sixth street, Philadelphia. Architect, Carl P. Berger, 1418 S. Penn Square, Philadelphia. Owners, Poplar Moving Picture Theatre, on premises. Brick, concrete and steel, fireproof, 1 story, 57x152 feet, slag roof, steam heating, electric lighting, ventilators, metal lath. Architect taking bids, due June 6th. The following are figuring: Chas. D. Burns, Drexel Building; H. E. Baton, Twelfth and Sansom streets; Lam Buuiling Co., 1001 Wood street; Burd P. Evans & Co., Thirteenth and Wallace streets; Ketcham & McQuade, 1029 Brown street; John McShain, 1610 North street; H. H. Wehmeyer, 1004 Lehigh avenue; Philip Savar, 718 Snyder avenue.

Parochial School (alts. and add.), Sixty-third and Callowhill streets. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, Our Lady of the Rosary R. C. Church, Rev. P. J. Dailey, 345 North Sixty-third street, Philadelphia. Brick and stone, 3 stories, slate roof, metal lath, yellow pine

floors (heating, plumbing and electric work separate bids). Architect has received bids.

Factory and Power House, Janney and Monmouth streets, Philadelphia. Architects, Chas. E. Oelschlager, Harrison Building, Philadelphia, and Albert B. Groves, St. Louis, Mo. Owners, Ferris Shoe Co., St. Louis, Mo. Brick, main building, 5 stories, 41x250 feet; power house, 1 story, 50x50 feet; office building, 1 story, 50x50 feet, slag roofs, fire doors (heating, electric work, sprinklers and elevators reserved). Architects taking bids, due June 7th. The following are figuring: D. Henwood, 1509 Wood street; I. T. Shoemaker, 1324 Walnut street; Charles J. Appleton, Heed Building; E. J. Kreitzburg, 1345 Arch street; Warren-Moore Co., Commercial Trust Building; P. J. Hurley, 1233 Cherry street; Lincoln H. Smith, 23 North Sixty-third street.

Stables (alts.), Eleventh and Wharton sts., Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Wm. H. Wilson, Director, City Hall, Philadelphia. Asphalt, slate, slag and asbestos shingle roof, metal lockers, roof ventilators, iron grilles (heating, plumbing and electric work separate bids). Owners have received bids.

Garage, Nicetown, Philadelphia. Architect, Private plans. Owners, Midvale Steel Co., Wilmington, Del. Brick and steel, 1 story, 50x135 feet, slag roof. Owners have received bids.

Residences (19) and Stores and Apartments, York road and Wingohocking street. Architect, E. Allan Wilson, 1208 Chestnut street. Owners, Litman & Milgram, 2030 South Fifth st. Brick, 2 stories, 16x58 feet each, slate and slag roofs, hot water heating, electric lighting, tile work, hardwood floors. Owners taking sub-bids.

Theatre (alts.), Broad and Erie avenue, Philadelphia. Architects, Henon & Boyle, 10 South 19th street, Philadelphia. Owner, Nicholas J. Hayes, Broad and Erie avenue, Philadelphia. Consists of interior and exterior alterations. Architects have received bids.

Residences (45), Sixty-seventh street and Cobbs Creek Boulevard. Architect, E. Allen

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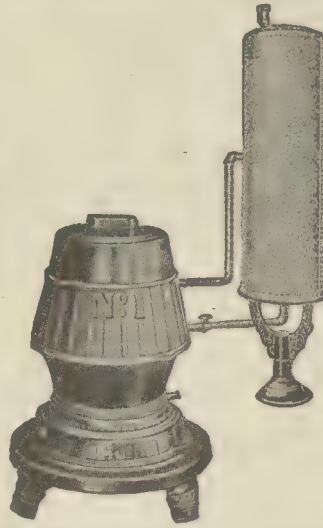
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Philadelphia. Brick, 2 stories, slate and slag
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tile work, hardwood floors. Owner taking
sub-bids.

Twin Residences (22), Germantown, Phila-
delphia. Architect, Newbauer & Boyd, 1112
Chestnut street, Philadelphia. Owner, name
withheld. Stone, brick and stucco, 2 stories,
slate roof, hot water heating, hardwood
floors, tile work, electric lighting. Architects
will be ready for bids in a few days.

Police Station (alts.), W. Haines street ab.
Germantown avenue. Architect, Louis E.
Marie, City Hall. Owners, City of Philadel-
phia, Department of Public Safety, Wm. H.
Wilson, Director, City Hall, Philadelphia.
Consists of interior alterations, yellow pine
floors, safety treads (plumbing, heating sepa-
rate bids). Owners taking bids, due June 5th.
The following are figuring: Eugene Tourison,
1001 Chestnut street; E. C. Durell, 1713 N.
Twenty-fourth street; Abel Bottoms & Sons
Co., 41 South Fifteenth street; F. A. Havens
& Co., 845 North Nineteenth street; H. H.
Wehmeyer, 1004 Lehigh avenue; Mitchell
Bros., 2125 Race street; Conneen Const. Co.,
Commercial Trust Building.

Store Building (alts.), 3051 Frankford ave-
nue, Philadelphia. Architect, private plans.
Owner, P. Hochman, on premises. Brick, 3
stories, consists of interior alterations. Own-
ers taking bids, due June 6th. Barclay White
& Co., Perry Building, Philadelphia, are figur-
ing.

Fraternity House (alt. and add.), 321 South
Thirty-seventh street, Philadelphia. Archi-
tect, Charles Scheuring, 3459 Walnut street,
Philadelphia. Owners, Theta Chi Fraternity,
3459 Walnut street, Philadelphia. Brick, 4
stories. Plans in progress. Too early for de-
tails.

Service Building, northwest corner Broad
and Cherry streets, \$500,000. Architect, Chas.
E. Oelschlager, Harrison Building, Philadel-
phia. Owners, Gomery-Schwartz Motor Car
Co., 253 North Broad street. Reinforced con-
crete, brick, terra cotta and limestone, 10
stories, 137x180 feet, slag roof, (4) elevators,
sprinkler system, fire doors, safety treads,
metal sash (heating and electric work re-
served). Builders Cramp & Co., Denekla
Building, taking sub-bids, due June 8th.

Church (alts.), Frankford avenue and Let-
terly streets. Architect, Walter Thomas

Mayo, 1701 Chestnut street, Philadelphia.
Owners, Frankford Avenue Baptist Church,
Rev. H. W. Barras, 2126 E. Cumberland st.,
Philadelphia. Consists of new gymnasium,
boiler room, kitchen, etc., steam heating, elec-
tric lighting, gum wood and composition
floors. Architect taking bids, due June 7th.
Thomas C. Trafford, 1613 Sansom street, and
A. Raymond Raff Const. Co., 1635 Thompson
street, Philadelphia, are figuring.

Toilet Rooms (alts.), Girard College, Phila-
delphia. Architect, J. H. Windrim, Common-
wealth Building, Philadelphia. Owners, Ste-
phen Girard Estate, Lafayette Building,
Philadelphia. Metal lath, electric lighting,
steam heating. Architect taking bids, due
June 9th. The following are figuring: F. W.
Van Loon, Denekla Building; F. L. Hoover
& Sons, 1023 Cherry street; A. Raymond
Raff Const. Co., 1635 Thompson street; H. E.
Baton, Twelfth and Sansom streets; Pomeroy
Construction Co., 1609 Ranstead street, Phila-
delphia.

Restaurant (alts.), 5210 Market street,
Philadelphia. Architects, Sheen & Gill, 450
North Wilton street, Philadelphia. Owner, B.
G. Keplinger, 29 South Fifty-second street.
Brick, 2 stories, 21x130 feet, slag roof, maple
floors (plumbing, heating, electric work,
dumb-waiters, terrazzo floors, ventilators re-
served). Owner taking bids, due June 8th.
The following are figuring: Frank G. Stewart,
1619 Sansom street; Gill & Sheen, 450 North
Wilton Street.

Apartments (alts.), 2013 Diamond street,
Philadelphia. Architect, M. Haupt, Drexel
Building, Philadelphia. Owner, Dr. Charles
E. Kantz, 2011 Diamond street, Philadelphia.
Brick, 3 stories, slag roof, hot water heating,
electric lighting, tile work. Owner taking
bids. F. A. Havens & Co., 845 North Nine-
teenth street, are figuring.

Bridge, Bensalem avenue, over Pennypack
Creek, \$200,000. Engineer, Chester E. Al-
bright, City Hall, Philadelphia. Owners, City
of Philadelphia, Department of Public Works,
City Hall. Reinforced concrete and steel.
Owners taking bids, due June 13th at noon.
Warren, Moore & Co., Commercial Trust Build-
ing, are figuring.

Residence (alt. and add.), northwest corner
Fifteenth and Tasker streets, Philadelphia.
Architect, Robert W. Pollock, 1802 Chestnut
street, Philadelphia. Owners, Baer & Snyder,
1539 Federal street, Philadelphia. Brick, 1
story, 20x17 feet, slag roof, consists of gen-

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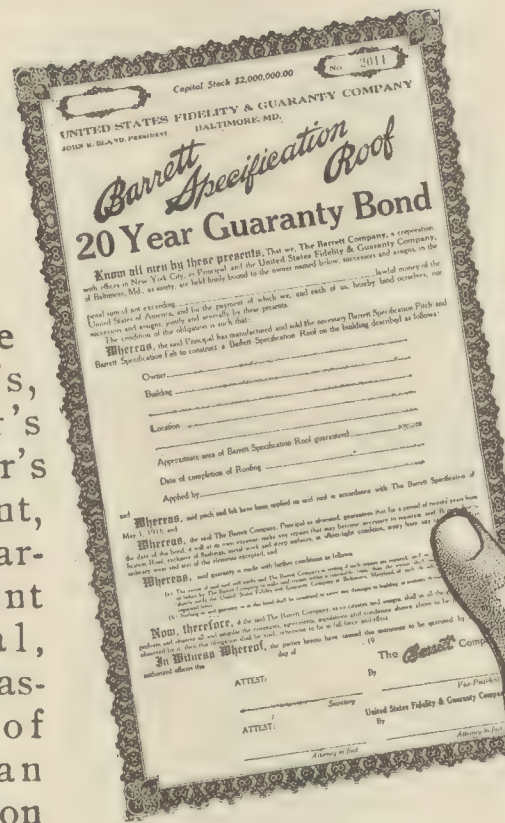
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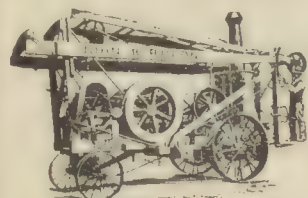
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eral remodeling of interior and exterior. Plans in progress. Will be ready for bids in about two weeks.

Stable (alts.), Eleventh and Wharton sts., Philadelphia. Architect, Louis E. Mrie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, William H. Wilson, Director, City Hall. Asphalt, slate, slag and asbestos shingle roof, metal lockers, roof ventilators, iron grilles (heating, plumbing and electric work separate bids). Lowest bid submitted by James Connor, 1345 Arch street, Philadelphia, \$12,696.

Police Station (alts.), West Haines street, above Germantown avenue. Architect, Louis

E. Marie, City Hall. Owners, City of Philadelphia, Department of Public Safety. Consists of interior alterations, yellow pine floors, safety treads (plumbing, heating separate bids). Lowest bid submitted by W. W. Anstine & Co., 1215 Filbert street, \$1,755.

School (alts.), Fifteenth and Race streets, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Friends' Central School, on premises. Consists of interior alterations for a cooking school. Architects taking bids, due June 8th. The following are figuring: Barclay White & Co., Perry Building; F. B. Davis, 240 North Tenth street; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alt. and add.), Chestnut Hill, Philadelphia. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owner, Joseph Wood Wagner, 233 Dock street, Philadelphia. Frame and plaster, 2½ stories, slate roof, oak floors, tile work, waterproofing. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

Store Building (alt. and add.), 517 Arch street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Edwin H. Fitler, Bellevue Court Building, Philadelphia. Brick, stone trimmings, 2 stories, tin roof, metal lath, maple and oak floors, tile work, kalamein doors, metal lockers, fire doors, roof ventilators (heating, plumbing and electric work reserved). Contract awarded to Metzger & Fisher, Denekla Building, Philadelphia.

Home Building (alt. and add.), Thirty-fifth and Fairmount avenue. Architects, E. F. Durang & Sons, 10 South Fifteenth street, Philadelphia. Owners, House of Good Shepherd, on premises. Consists of general interior alterations to kitchen and bake ovens. Contract awarded to Sutton & Stephenson, 1317 Washington avenue.

School and Hall, Twenty-ninth and Dickinson streets, Philadelphia. Architects, E. F. Durang & Sons, Fuller Building, Philadelphia. Owners, St. Gabriel's R. C. Church, Twenty-ninth and Dickinson streets. Stone and brick, 3 stories, slate roof, consists of general alterations and addition. Contract awarded to Wm. J. McShane, 417 South 13th street, Philadelphia.

Parish House and Sunday School, Falls of Schuylkill, Philadelphia. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, St. James The Less P. E. Church, Rev. E. Ritchie, 3300 Clearfield street, Philadelphia. Stone, 1 story, 101x48 and 2 stories, 20x42 feet, slate roofs, metal lath, waterproofing, tile work, dumbwaiter, maple floors, hot air heating (steam heating and electric work reserved). Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Garage, rear of 1907 North Broad street, Philadelphia. Owner, Dr. John Strobel, 948

North street, Philadelphia. Brick, 2 stories, 22x19 feet, slag roof, cement. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Church (alts.), Tenth and Wallace streets, Philadelphia. Architects, Stucker & Co., Crozer Building, Philadelphia. Owners, St. Paul's Baptist Church, Rev. Edward W. Johnson, 1302 North Twelfth street, Philadelphia. Consists of general interior alterations. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Packing House (alts.), 140 North Delaware avenue, Philadelphia. Architect, private plans. Owners, Sulzberger & Son Co., on premises. Consists of new asphalt floors and interior alterations. Contract awarded to James H. Tighe & Co., 245 North Eleventh street, Philadelphia.

Offices (alts. and adds.), 1626 Arch street, Philadelphia, \$12,000. Architect, private plans. Owners, Grand Fraternity, 1414 Arch street, Philadelphia. Brick, 4 stories, slag roof, new fire tower, etc. Contract awarded to Harry R. Rust, 19 South Eighth street, Philadelphia.

Store Building (alts.), 1234 W. Columbia avenue, \$2,500. Architect, private plans. Owners, Herman Building and Loan Association, on premises. Consists of general interior alterations and new bulk windows. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

Stores and Warehouse, Front and York sts., Philadelphia, \$65,000. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Derbyshire Bros., 2418 North Front street, Philadelphia. Brick and terra cotta, 4 stories, 40x110 feet, reinforced concrete, 3 stories, 70x72 feet, Barretts or Foster roof, electric lighting, elevators, ornamental iron, dampproofing, kalamein doors, fire doors, steel sash (heating reserved). Contract awarded to I. T. Shoemaker, 1324 Walnut st., Philadelphia.

Stable and Garage (alt. and add.), St. Martins, Philadelphia, \$6,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Samuel F. Houston, on premises. Stone and plaster, 2 stories, slate roof, electric

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lighting, metal lath, dampproofing (hot water heating separate bid). Contract awarded to Wm. J. Grubler & Co., 219 E. High street.

Church, Fifty-seventh and Race streets, Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Stone, 1 story and basement, 50x85 feet, slate roof, electric lighting, vapor vacuum heating. Contract awarded to J. F. Trent, 2041 Master street, Philadelphia.

Factory (alt. and add.), 210 South Eighth street, Philadelphia. Architects, Naubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, George Mayer, care of architects. Consists of two and four-story addition, 20x198 feet, general interior alterations, slag and tin roof, electric lighting. Contract awarded to Max J. Benamy, 3042 West York street, Philadelphia.

Store Building, southeast corner Thirteenth and Commerce streets, -30,000. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Benjamin Alexander,

Hale Building, Philadelphia. Reinforced concrete, brick, 2 stories, 60x75 feet, slag roof, steam heating, electric lighting, metal lath, composition floors, elevator, steel sash, fire doors, tile work. Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

Residence (alts. and add.), northeast corner Twenty-first and Locust streets. Architect, Lloyd Titus, 430 Walnut street, Philadelphia. Owner, George Gowen Hood, 1712 Locust street, Philadelphia. Brick, 3 stories, tin roof, hot water heating, electric lighting, oak floors, marble and tile work, metal lath. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

Residence, Allen's lane, east of McCallum street, -18,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Francis B. Bracken, Stephen Girard Building, Philadelphia. Stone, 2½ stories, shingle roof, steam heating, electric lighting, tile work, oak floors. Contract awarded to W. John Stevens, Wynecote, Pa.

PENNSYLVANIA

Construction News

School, Yardley, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Board of Education, E. E. Yeager, secretary, Yardley, Pa. Brick, 1 story, 148x110 feet, asphalt shingle roof, warm air heating, electric lighting. Plans about completed. Owners will take bids in a few days.

Telephone Exchange, Pottstown, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., 1230 Arch street, Philadelphia. Brick, stone, concrete and hollow tile, 3 stories, 48x40 feet, slag roof, hot water heating, electric lighting, metal lath, terrazzo and marble work. Architect taking bids, due June 13th. The following are figuring: F. W. Van Loon, Denckla Building; H. E. Baton, Twelfth and Sansom streets; Pomeroy Construction Co., 1609 Ransstead street, Philadelphia.

Residence, Reading, Pa., \$6,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owner, Robert Haisch, care of Empire Machine Works, Reading, Pa. Brick, 2½ stories, 32x36 feet, slate roof, hot water heating, electric lighting, hardwood and tile floors. Plans in progress.

Garage (alt. and add.), Reading, Pa., \$10,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Heydt Motor Car Co., care of Mr. Heydt, Reading, Pa. Brick and steel, reinforced concrete, 2 stories, 50x96 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, waterproofing and dampproofing. Plans in progress.

Residences (3), Mt. Penn, Reading, Pa., \$10,000. Architect, H. J. Maurer, Reading, Pa. Owner, H. J. Maurer, Reading, Pa. Brick, 2½ stories, 30x60 feet and 28x30 feet, shingle roof, hot air heating, combination lighting, hardwood floors. Architect taking sub-bids.

School, Oley Township, Pa., \$15,000. Architect, Wayne M. High, 416 Penn street, Read-

ing, Pa. Owners, Board of Education, Oley Township, Pa. Brick, 2 stories, 47x67 feet, slate roof, steam heating, electric lighting. Owners taking bids, due June 9th. The following are figuring: Charles Schlegel, Mt. Penn, Pa.; H. A. Miller, West Reading, Pa.; J. Keen, Freidensburg, Pa.; Adam Spatz, Wernersville, Pa., and the Beard Const. Co., Reading, Pa.

Show and Repair Room, Reading, Pa., \$12,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Ammon & Kershner, American House, Reading. Brick and steel, 1½ stories, 50x60 feet, slag and reinforced concrete roofing, steam heating, electric lighting, reinforced concrete floors, waterproofing. Ready for bids.

Church, Sunday School and Parsonage, Palermerton, Pa., \$22,000. Architect, A. A. Richter, Sixth and Court streets, Reading, Pa. Owners, Trinity United Evangelical Church, Rev. D. R. Hart. Brick and stone, 1½ and 2½ stories, 80x100 feet, slate roof, vapor heating, electric lighting, maple floors, waterproofing. Revised plans in progress.

High School, Borough of Robeson, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education. Brick, terra cotta and reinforced concrete, 2½ stories, 100x70 feet, slag roof, hot air heating, electric lighting, waterproofing. Ready for bids in about ten days.

High School, Kutztown, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. C. Bordner, secretary, Kutztown, Pa. Brick and stone, 3 stories, 85x100 feet, slag roof, hot air heating, electric lighting, reinforced concrete and wood floors, waterproofing. Owners taking bids, due June 13th. The following are figuring: Beard Construction Co., Reading, Pa.; J. B. Trexler, Reading, Pa.; Wm. H.

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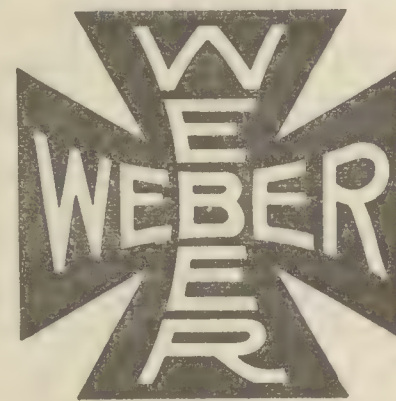
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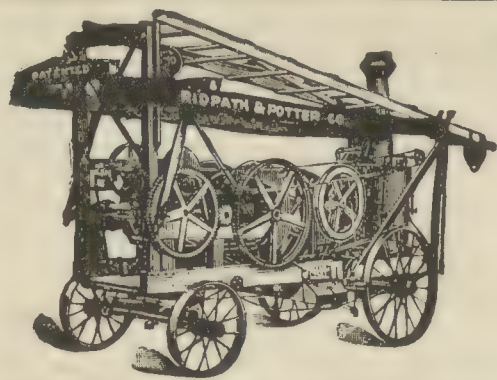


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Twin Residences (25), Easton, Pa., \$100,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Syndicate of Board of Trade, Chester Snyder, secretary, Easton, Pa. Hollow tile and shingle, 1½ stories, 34x36 feet, asbestos shingle and slate roofs, hot air heating, electric lighting. Plans in progress.

Church, Womelsdorf, Pa. Architect, Ed. Z. School, 31 North Sixth street, Reading, Pa. Owners, Zion's Evangelical Lutheran Church, care of Rev. Kidd, Womelsdorf, Pa. Stone, 1 story, 130x43 feet, slate roof (heating and lighting reserved). Owners will sub-let all contracts.

Residence and Garage, Haverford, Pa., \$50,000. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Mrs. A. Atwater Kent, Rosemont, Pa. Stone, 2½ stories, 43x123 feet; two wings, 33x33 feet and 23x38 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Revised plans will be prepared.

Garage, Wynnewood, Pa. Architect, H. B. Peterson, 34 South Seventeenth street, Philadelphia. Owner, A. D. Smith, Wynnewood, Pa. Stone, 2 stories, 25x40 feet, shingle roof, hot water heating, electric lighting. Architect taking bids, due June 7th. The follow-

ing are figuring: James C. Driscoll, 1524 Chestnut street; Milton W. Young, Overbrook, Philadelphia; George L. Croll, Rosemont, Pa.; Wm. D. Smedley, Narberth, Pa.

Fumigation Building, Marcus Hook, Pa. Architect, W. A. Courtenay, Jr., 125 East Twenty-fourth street, Chester, Pa. Owners, Pennsylvania State Quarantine Board, Bul-litt Building, Philadelphia. Brick and stucco, 1 story, asbestos roof, concrete floors, waterproofing (metal sash, heating, plumbing and electric work separate bids). Owners have received bids.

Residence, Garage and Stable, Laverock, Pa. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, John Straw-bridge, 114 Custom House Place. Stone, frame and plaster, 2½ stories. Residence, 75x125 feet; stable and garage, 2 stories, 50x100 feet. Shingle roof, waterproofing, yellow pine floors, tile work (heating, plumbing and electric work separate bids). Architect taking bids, due June 9th. The following are figuring: Henry L. Brown, 1714 Sansom street; Pringle Borth-wick, 8018 Germantown avenue; John E. Walt, 204 East Willow Grove avenue; William J. Gruhler Co., 219 East High street.

Residence (alts. and add.), Bryn Mawr, Pa. Architect, John I. Bright, 1701 Chestnut street, Philadelphia. Owner, F. King Wainwright, Bryn Mawr, Pa. Stone and plaster, 2 stories, 30x40 feet, electric lighting, hot water heating. Plans in progress.

Stores and Residences (5), Media, Pa. Architect, Newton Flounders, Media, Pa. Owners, H. J. Makiver & J. Lord Rigby, Media, Pa. Brick and plaster, 3 stories, 52x33 feet, tile and slate roof, hot water heating, electric lighting, oak and pine floors, metal lath, tile work. Builder, James B. Flounders, 1329 Arch street, Philadelphia, is taking sub-bids on all lines.

Factory, Mohrsville, Pa., \$15,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, James H. Wagner & Co., Mohrsville, Pa. Brick and concrete, 1½ stories, 62x157 feet, concrete and slag roof, steam heating, electric lighting, maple floors, elevator, steel sash, ssprinkler system. Architect taking bids, due June 17th. The following are figuring: Hughes, Foulkrod & Co., Commonwealth Building; William Linker Co., 831 Cherry street; W. W. Lindsay & Co., Harrison Building; W. W. Anstine & Co., 1218 Filbert street, Philadelphia.

Residence and Garage (remodeling), Merion, Pa. Architects, Druekenmiller & Williams, Land Title Building, Philadelphia. Owner, Charles P. Vaughan, 5911 Overbrook avenue, Philadelphia. Brick, plastered, 2½ stories, 50x50 feet and 50x60 feet, tile roof, vapor

heating, electric lighting, hardwood floors. Architects will take bids in a few days.

Residence (alt. and add.), Wyncote, Pa. Architects, Neff & Thames, Heed Building, Philadelphia. Owner, Thomas E. Brown, Wyncote, Pa. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Owner will sub-let all contracts.

Bunk House, Coxton, Pa. Architect, private plans. Owners, Lehigh Valley Railroad Co., 143 Liberty street, New York. Hollow tile and stucco, 2 stories, 34x70 feet; wing, 34x35 feet, prepared roofing, electric lighting, steam heating, steel doors, roof ventilators, tile work. Owners taking bids, due June 10th. F. L. Hoover & Sons, 1023 Cherry street, Philadelphia, are figuring.

Post Office, Pottstown, Pa. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Lime-stone, granite, brick and steel, 2 stories, 101x60 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath, kale-mein doors, roof ventilators. Owners taking bids, due June 26th. F. W. Van Loon, Denckla Building, is figuring.

Residence (add.), Wyncote, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Cyrus H. K. Curtis, Sixth and Walnut streets, Philadelphia. Consists of new music room, stone, 1 story, 37x74 feet, slate roof (heating and electric work separate bids). Architects taking bids, due 18th. The following are figuring: Jacob Myers Sons Co., Witherspoon Building; Doyle & Co., 1519 Sansom street; J. Sims Wilson Co., 1125 Brown street; William R. Dougherty, 1810 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Residence, Narberth, Pa. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, Dr. Romaine C. Hoffman, Narberth, Pa. Hollow tile and plaster, 2½ stories, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architects will sub-let all contracts.

Residence, Penfield, Pa. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, Frank Shoemaker, care of architects. Stone, 2½ stories, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architects will sub-let all contracts.

High School, Nesquehoning, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Mauch Chunk Township School District, Nesquehoning, Pa. Brick, stone and terra cotta, 2 stories, 82x154 feet, asbestos roof, metal lath, safety treads, concrete and hollow tile floor, marble work, roof ventilators, maple floors, kalamein doors, dumb waiters, slate blackboards (heating, plumbing and electric work separate bids). Owners taking revised bids, due June 19. The following are figuring: Thomas Bros., Nesquehoning, Pa.; Andrew Breslin, Summit Hill, Pa.; George H. Keefer, Mt. Carmel, Pa.; Shamokin Lumber and Manufacturing Co., Shamokin, Pa.; Mt. Carmel Lumber Co., Mt. Carmel, Pa.; Jacob Nagle, Allentown, Pa.; Beard Const. Co., Reading, Pa., and Riebs Bros., Lansford, Pa.

Bungalow, St. Lawrence, Pa., \$5,000. Architect, alvin J. Young, 520 Washington street, Reading, Pa. Owner, Samuel Phillips, Reading, Pa. Frame and stucco, 1½ stories, 32x32

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feet, shingle roof, electric lighting, hardwood floors, metal lath (heating reserved). Architect taking bids, due June 12th. The follow-

ing are figuring: C. H. Schlegel, D. J. Warner, Adam B. Spatz, Peter Anderson and Wm. Koch, all of Reading, Pa.

PENNSYLVANIA

Contracts Awarded

Residence, Downingtown, Pa. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Edward Kerr, Jr., Downingtown, aP. Frame, 2½ stories, 66x25 feet, shingle roof, steam heating, electric lighting, maple floors. Contract awarded to Wm. Moore, East Downingtown, Pa.

Residence and Garage, Whitmarsh, Pa. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Dr. Edward B. Krumbhaar, W. Mermaid lane, Chestnut Hill. Stone, 2½ stories, residence, 90x32 feet; garage, 39x22 feet, shingle roofs, warm air heating, oak floors, tile work, electric lighting. Contract awarded to Geo. S. Roth & Sons, 230 E. Gravers lane.

Residence, St. Davids, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Robert G. Wilson, 225 Dock street, Philadelphia. Stone, 2½ stories, 64x32 feet, slate roof, electric lighting, oak floors, tile work (heating reserved). Contract awarded to W. O. Springer, 1624 Latimer st., Philadelphia.

Residence (alt. and add.) and Garage, Easton, Pa. Architects, Martin & Kirk-130 South Fifteenth street, Philadelphia. Owner, F. G. McKelvy, Easton, Pa. Stone, 2½ stories, slate and tin roofs, oak floors,

tile work (plumbing, heating and electric work separate bids). Contract awarded to A. A. Beehtel, Easton, Pa.

Church and Parochial School, Harrisburg, Pa., \$65,000. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Lawrence's R. C. Church, Harrisburg, Pa. Stone, 1 and 2 stories, 115x60 feet and 40x60 feet, slate roof, electric lighting, metal lath (heating reserved). Contract awarded to Frank J. Colgan, 2205 North Broad street, Philadelphia.

Waiting Room and Post Office, Haverford, Pa., \$9,500. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 2 stories, 62x26 feet, slate roof, steam heating, electric lighting, metal lath. Contract awarded to Metzger & Fisher, Denekla Building, Philadelphia.

Parochial School (alt. and add.), Jenkintown, Pa. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, R. C. Church of the Immaculate Conception, Rev. John E. Cavanaugh, Jenkintown, Pa. Stone or hollow tile and plaster, one additional story, roof ventilators, maple floors, electric lighting, asbestos tile roof. Contract awarded to John W. Hohlefelder, Jenkintown, Pa.

NEW JERSEY

Construction News

Residence, Sumner, N. J. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Frank H. Bachman, 1512 Chestnut street, Philadelphia. Brick and plaster, 2 stories, 61x42 feet, shingle and tin roof, oak floors, tile work, book cases, mantles, waterproofing (heating and electric work reserved). Architect taking revised bids, due June 7th. The following are figuring: George W. Shaner, Palmyra, N. J.; J. S. Rogers & Co., Moorestown, N. J.; William Congezer, Haddon

Heights, N. J.; E. J. Kreitzburg, 1345 Arch street, and Sutton & Stephenson, 1317 Washington avenue, Philadelphia.

School (add.), Cinnaminson, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Westfield Preparative Meeting, Cinnaminson, N. J. Stone and brick, plastered, 1 story, 28x25 feet and 25x25 feet, slate roof, hot air heating, electric lighting. Revised plans in progress.

Bank Building, Pennsgrove, N. J., \$20,000.

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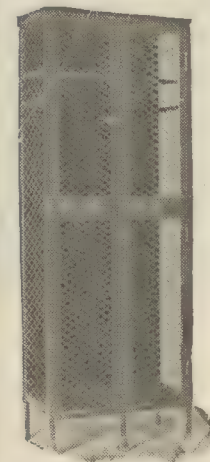
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Trenton, N. J.

*Kleeman & Fowler, Architects
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Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, People's Bank of Pennsgrove, Pennsgrove, N. J. Stone, 2 stories, slag roof, hot water heating, combination lighting, tile and hardwood floors, waterproofing, dampproofing. Architects taking bids, due June 8th. In addition to those previously reported, Henry L. Brown, 1714 Sansom street; Wilbert Beaumont, Stephen Girard Building, and Metzger & Fisher, Denckla Building, Philadelphia, are figuring.

School Building, Riverview (Upper Neck Township, N. J.), \$300,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, School Board, Riverview, N. J. (Upper Penn's Neck Township). Brick and stone, 2 stories and basement, 90x60 feet, slag roof, combination lighting, hardwood floors, dampproofing and waterproofing. Owners taking bids. The following are figuring: Wilbert Beaumont, Stephen Girard Building; James P. Farrell & Co., Inc., 1619 Sansom street; Henry L. Brown, 1714 Sansom street; Metzger & Fisher, Denckla Building, all of Philadelphia.

Car Shops and Offices, Pennsville, N. J. Engineers, Stern & Silverman, Land Title Building, Philadelphia. Owners, Salem & Pennsgrove Traction Co., care of engineers. Brick, steel and concrete, 1 story, 32x127 feet, slag roof, metal lath, fire doors, safety treads, marble work, pine and wood block floors (heating and electric work reserved). Engineers taking bids, due June 10th. The following are figuring: Graham-Campion Co., Reed Building; Charles D. Burns, Drexel Building; H. E. Baton, Twelfth and Sansom streets; Burd P. Evans & Co., Thirteenth and Wallace streets; J. A. Bader Co., Wilmington, Del.

Residence, Trenton, N. J. Architect, Walter Thomas Mayo, 1701 Chestnut street, Philadelphia. Owner, John F. Goehrig, 330 W. State street, Trenton, N. J. Frame and stucco, 2½ stories, 30x26 feet, slate roof, hot water heating, electric lighting. Plans in progress. Architect will take bids in about ten days.

Sunday School Building, Haddon Heights, N. J. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Haddon Heights M. E. Church, care F. D. Platt, chairman, Haddon Heights, N. J. Stone, 1 story, slate roof, steam heating, electric lighting. Architect taking bids, due June 12th. The following are figuring: H. S. Goff, Wm. Congezzer, and F. Fries & Co., all of Haddon Heights, N. J.; J. W. Draper, 436 Haddon avenue, Camden, N. J.

Club House, Vineland, N. J., Architect Truscott, 229 Real Estate Trust Building, Philadelphia. Owners, Loyal Order of Moose, Vineland, N. J. Brick and terra cotta, concrete floors, asphalt roof and floors, hot water heating, electric lighting, pine floors, metal lath, waterproofing (dumb-waiters reserved). Architect taking bids, due June 9th. Edward Fay & Son, 2 South Mole street, Philadelphia, and Geo. W. Shaner & Son, Palmyra, N. J., are figuring.

Residence, Ventnor, N. J., \$7,000. Architects, Smith & Henderer, 303 Sheen Building, Atlantic City. Owner's name withheld. Frame and shingle, 3½ stories, 49x45 feet, slate roof, hot water heating, combination lighting. Plans in progress.

Apartment and Stores (2), Atlantic City, N. J., \$15,000. Architect, J. R. Ogden, Guarantee Trust Building, Atlantic City, N. J. Owner's name withheld. Brick, 3 stories, 35x70 feet, slag roof, hot water heating, gas lighting. Plans in progress. Will take bids in about two weeks.

Residence, Ventnor, N. J., \$4,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Frame, 2½ stories, 24x38 feet, shingle roof, hot water heating, combination lighting, tile floors. Architect taking bids, due June 10th.

Apartments (alts.), Atlantic City, N. J., \$30,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick, terra cotta and steel, 4 stories, 75x90 feet, slag roof, steam heating, electric lighting, tile and hardwood floors, waterproofing and dampproofing. Plans in progress.

Church (alt. and add.), Merchantville, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Trinity M. E. Church, Merchantville, N. J. Stone, 1 story, slate roof, steam heating, electric lighting. Architect taking bids, due as soon as possible (revised). The following are figuring: M. T. James, George C. Tilton, H. W. Applegate, all of Merchantville, N. J.; George W. Shaner & Son, Palmyra, N. J.; J. M. Congezzer & Son, Haddon Heights, N. J.

Factory (add.), River and State streets, Camden, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, B. F. Boyer Co., on premises. Addition to present factory. Architects taking bids, due June 12th. J. S. Rogers Co., Moorestown, N. J., are figuring.

School (add.), Cinnaminson, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Westfield Preparative Meeting, Cinnaminson, N. J. Stone and brick, plastered, 1 story, 28x25 feet and 25x25 feet, slate roof, hot air heating, electric lighting. Architects taking bids (revised), due June 15th. The following are figuring: George W. Shaner, Palmyra, N. J.; J. S. Rogers Co., Moorestown, N. J.; Stewart L. Maines, Moorestown, N. J.; George S. Bachmann, 19 North Thirtieth street, Camden, N. J., and Louis F. Lowden, Riverton, N. J.

Residence, Merchantville, N. J., \$6,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Luke Lambert, Merchantville, N. J. Frame and stucco, 2½ stories, 31x45 feet, shingle roof, hot water heating, combination lighting, hardwood floors. Ready for bids.

Garage, Bridgeton, N. J., \$8,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Joseph Elwell, Bridgeton, N. J. Brick and steel, 1 story, 50x100 feet, concrete and slag roof, steam heating, electric lighting, concrete floors, metal sash, ventilators. Architects taking bids.

Nurses' Home and Hospital (alt. and add.), Bridgeton, N. J., \$15,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Bridgeton Hospital, Bridgeton, N. J. Brick, 2 stories, 30x60 feet, slag roofs, hot water heating, electric lighting, composition floors, waterproofing and dampproofing, dumb waiter, kitchen equipment. Architects ready for bids.

feet, slate and tin roof, hot air heating, gas lighting. Contract awarded to F. T. Walters, Trenton, N. J.

Residence, Trenton, N. J. Architect, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owner, David S. South, 145 E. Hanover street, Trenton, N. J. Brick, 2½ stories, 34x56 feet, slate roof, vapor heating, electric lighting, tile and oak floors. Contract awarded to Burton & Burton, Trenton, N. J.

Recreation Building, Camden, N. J., \$10,000. Engineer, J. O. Clarke, 133 S. Twelfth street, Philadelphia. Owners, MacAndrew & Forbes Co., Third and Jefferson streets, Camden. Brick, 2 stories slag roof, steam heating, electric lighting, lockers. Contract awarded to Barclay White Co., Perry Building.

Residence, Atlantic City, N. J., \$5,000. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City. Owner, Charles Kaplan, 319 Reed street, Philadelphia. Brick, 3 stories, 22x88 feet, slag roof, hot water heating, gas lighting. Contract awarded to Schenkman & Yomowsky, Atlantic City, N. J.

Residences (4), Ventnor, N. J., \$12,000. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, Gen. Lewis T. Bryant, Atlantic City, N. J. Hollow tile and stucco, 2½ stories, 22x24 feet, asbestos shingle roof, hot water heating, electric lighting, tile floors. Contract awarded to J. V. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J.

Residences (6), Ventnor, N. J., \$19,200. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, Daniel Myers, Hotel Chelsea, Atlantic City, N. J. Hollow tile and stucco, 2½ stories, 24x32 feet asbestos shingle roof, hot water heating, electric lighting, tile floors. Contract awarded to J. V. Mathis & Son, Guarantee Trust Building, Atlantic City.

Cottage, Stone Harbor, N. J. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Mrs. S. K. Boniface, Stone Harbor, N. J. Frame and stucco, 2 stories, 18x38 feet, shingle roof. Contract awarded to Larsen Contracting Co., Stone Harbor, N. J.

Residence, Atlantic City, N. J., \$20,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owner, Jesse W. Starr, 3rd, 304 Pacific avenue, Atlantic City. Brick and stucco, 3 stories, 66x41 feet, tile roof, oak and parquet floors, metal lath, dampproofing (plumbing, hot water heating and electric work reserved). Contract awarded to Philip G. Hannum, 16 North Georgia avenue, Atlantic City, N. J.

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NEW JERSEY

Contracts Awarded

Residences (10), Race street, Trenton, N. J., \$20,000. Architect, private plans. Owner, Atterburg Frost Realty Co., Trenton, N. J. Cement block and frame, 2½ stories, 28x14

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PUBLISHED WEEKLY

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Irving Dillon.....Editor

PHILADELPHIA, PA., JUNE 7, 1916.

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Editorial Comment

At a recent meeting of the New York Society of Architects, the newly-elected President of the organization, James Riely Gordon, in taking the chair touched on a number of subjects of interest to the profession. One of these subjects was that of the registration of architects.

"Our active part in procuring the passage of the act requiring the registration of architects evidences our deep interest in the future welfare of our profession," said Mr. Gordon.

"The architects of to-day will contribute to the financial support of this act without reaping any material benefits, but the future generations of our profession will be benefited through the higher standard of compulsory education established by the Board of Examiners in their wise and judicious administration of this law.

"The architects in many States have endeavored for years to obtain the passage of an act that would afford the architects a lien for their plans and specifications, but without success. It is with pardonable pride that I can announce that this society, unaided, has at last obtained the passage of such an act in this State.

"We have an exalted code of ethics and I congratulate this society upon the fact that but one violation has been charged against a member, and that, after a thorough investigation, was not sustained.

"We have a complete code of charges and professional practice, which is now being used by many members of the profession outside of the society.

"The architectural societies have labored for many years upon a code of competitions without reaching a satisfactory solution of this momentous problem.

"I feel greatly encouraged at the efforts of this society in this direction, and hope for the early adoption of a satisfactory code of competitions.

"There is so much to be done for our future that I venture a few suggestions for your consideration. It is my sincere hope that we may be able to co-operate in that professional spirit for which we stand with all the other architectural societies, and with the building, real estate and other organizations allied with our profession."

* * *

On the subject of the indifference shown by many of the younger men in the craft to the question of accuracy in estimated costs, Mr. Gordon remarked:

"It is a lamentable fact that so little importance is attached to an architect's estimate of the cost of a proposed structure. The misrepresentations of irresponsible or ignorant architects is a deplorable condition and demands our rectification.

"An excessive cost of a building over and above the architect's estimate not only low-

cers the standard of that architect's reliability, but sometimes proves a serious embarrassment to a confiding client.

"The title of architect should imply not only a guarantee of both architectural ability and reliability, but the public has a right to expect and demand that every architect's estimate of the cost of any structure shall be sufficiently guaranteed to justify predicated financial arrangements thereon, without serious disappointment, and I trust that this society will in the near future demand that at least its members assume their full moral and financial responsibility in this respect to their clients."

* * *

Building conditions throughout the country continue to improve despite the cry of a scarcity in labor and the general advance in material costs.

Statistics compiled by William Gamble, statistician of the Philadelphia Bureau of Building Inspection, give the total cost of buildings for which permits were issued, during the month of May, as \$4,791,255. Mr. Gamble points out that while these figures show a decrease of \$1,436,555 as compared with April, they are \$1,922,415 above the figures for May of 1915.

In the total for May is embodied an expenditure of \$1,466,625 for two-story houses. It is regarded as significant that less than half a million dollars was expended upon factory construction, indicating that the totals are in no sense due to war-order prosperity, and that the building game is getting back to its normal healthy basis.

For the first five months of this year the estimated cost of buildings for which permits have been issued in Philadelphia is \$19,906,505, an increase of \$4,713,965 over the corresponding period of last year.

* * *

New York also shows a healthy activity in every line of building.

Manhattan building permits of last week total twenty-three, representing \$886,800 in estimates; eight with estimates of \$770,175 were granted in the same time a year ago. Since January 1, 249 issued in Manhattan are for buildings expected to cost \$37,229,995. The showing for the corresponding time of last year is 218, carrying \$36,096,065 in estimates.

The Bronx last week issued sixteen.

Thirty-four were granted in the same week a year ago. The accompanying estimates are respectively \$712,500 and \$1,067,100. The Bronx since the 1st of January had granted 310, carrying \$9,453,150 in estimates. In the same time a year ago 472, representing \$14,630,625 in proposed costs were issued.

In Brooklyn last week sixty-five issued represent \$400,220 in estimated costs. There were issued seventy-five with \$503,025 in

estimates during the corresponding 1915 period. Since New Year's Brooklyn had issued 2,329 for buildings expected to cost \$18,637,175. The showing for the corresponding time of last year is 2,242, with \$18,468,890 in estimates.

In Queens last week seventy-two with estimates of \$354,070 were issued. Queens granted ninety-two with estimates of \$471,280 in the same period a year ago. Since January 1 that borough had issued 2,344 for buildings to cost about \$10,134,375. In the corresponding time of 1915 Queens issued 2,302 for buildings intended to cost \$8,668,966.

Richmond during the past week granted nineteen for structures to cost approximately \$23,832. In the same time of last year twenty-nine plans for new construction, the cost of which was placed at \$16,920, were passed. In Richmond since the first of this year 381 had been issued. The showing is 446 for the same time a year ago. The attendant estimates aggregate respectively \$673,654 and \$948,471.

* * *

How many woods do you know well enough to pick out and name? Under the auspices of the National Lumber Manufacturers' Association contests involving this knowledge disclosed an amazing ignorance on the part of the public with reference to the various woods.

There were two separate contests, one containing eighteen commercial woods, for which a prize of \$10 was given for correctly naming each one of them. The other asked contestants to name correctly the samples of four of the commercial woods, for which a prize of \$1.00 was given. The wood samples were six inches long, three inches wide, and one inch thick in their natural color. Of all the thousands of guesses, however, there were but five winners of the \$10 prize and but ten winners of the \$1.00 prize.

How many varieties of wood do you think you would be able to pick out with any degree of confidence?

* * *

What becomes of all the sawdust?

A recent government bulletin sheds a somewhat interesting light on this phase of economic waste.

Sawdust is ground into "wood flour," either by means of mill stones as grain was formerly ground in old-fashioned mills, or by means of steel burr rollers, which pulverize the wood. In this form it is finding a growing use in the manufacture of dynamite and also of inlaid linoleum. Wood flour to the value of \$300,000 is used annually for these purposes. On account of the vast amount of sawdust which accumulates as a waste product in the mills, there is no lack of raw material for industries which develop a way to utilize this waste.

Wood flour is also used in making composi-

tion flooring, oat meal paper, and in several other products.

It is in special demand at the present time in ammunition factories as an absorbent in preparing dynamite for use.

For use in dynamite, the trade demands are said to require a white wood flour, since the freshness of dynamite stock is indicated by a light color.

Chemically bleached wood flour has recently come into use in making wood stucco, moldings, etc. Mixed with certain oils, some forms of sawdust and wood flour are used for floor polishing materials.

All wood-flour using industries require a white or very light cream-colored flour having good absorptive powers. The wood species that may be used are confined to the light, non-resinous conifers, and the white broad-leaved woods like poplar. Spruce, white pine and poplar are the species most used. Mill waste, free from bark, furnishes much of the raw material for making wood flour.

In the manufacture of linoleum, either wood or cork flour is used. The flour is mixed with a cementing material spread out on burlap and rolled or pressed to a uniform thickness. The cement is the expensive constituent. Cork linoleum is the cheaper because less cement is necessary. The patterns are printed on, leaving a dark base. For inlaid or straight-line linoleum, wood flour is used exclusively. Cork linoleum is always dark, and slightly more elastic than that produced from wood flour. The wearing qualities are about the same.

* * *

Wood-flour mills are scattered over the country, according to the bulletin, from Maine to California wherever the proper combination of wood and water power is available, and the domestic wood flour competes with the Norwegian product which, before the European war, was delivered at Atlantic ports for \$12.50 to \$15 per ton.

The mills of Norway which produce much of the European wood flour are of the mill stone type.

Steel burr rollers which pulverize the wood were developed on the Pacific Coast to handle sawdust as a raw material, and requires only one-fourth as much power to operate.

* * *

One of the uses to which sawdust is to be put if certain experiments now proceeding turn out to be successful contemplates its conversion into durable and satisfactory artificial flooring, especially for kitchens, where it is expected to take the place of linoleum.

* * *

Here's a little thought from that great craftsman, William Morris, that is worth pasting away for future reference:

"We ought to get to understand the value of intelligent work, the work of men's hands, guided by their brains, and to take that, though it be rough, rather than the unintelli-

gent work of machines or slaves, though it be delicate; to refuse altogether to use machine-made work unless where the nature of the thing compels it, or where the machine does what mere human suffering would otherwise have to do; to have a high standard of excellence in wares and not to accept makeshifts for the real thing, but rather to go without—to have no ornament merely for fashion's sake, but only because we really think it beautiful, otherwise to go without it; not to live in an ugly and squalid place (such as London) for the sake of mere excitement or the like, but only because our duties bind us to it—to treat the natural beauty of the earth as a holy thing not to be rashly dealt with for any consideration; to treat with the utmost care whatever of architecture and the like is left us of the times of art."

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 25, 1916.—Sealed proposals will be opened in this office at 3 p. m., June 20, 1916, for the construction complete of the United States Post Office at Waterloo, N. Y. Drawings and custodian of site at Waterloo, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 26, 1916.—Sealed proposals will be opened in this office at 3 p. m., June 26, 1916, for the construction complete at the United States post office at Pottstown, Pa. Drawings and specifications may be obtained from the custodian of site at Pottstown, Pa., or at this office, in the discretion of the Acting Supervising Architect. Jos. A. Wetmore, Acting Supervising Architect.

"I like 'The Guide,'" writes an old subscriber, "because it devotes space to the builder and the material man as well as the architect. Most of the so-called architectural

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Miscellaneous Construction News

Residence and Garage, Dover, Del., \$40,000. Architects, De Armond, Ashmead & Bickley, 1529 Walnut street, Philadelphia. Owner, Josiah O. Wolcott, Dupont Building, Wilmington, Del. Brick, 2½ stories, 117x35 feet, shingle roof, vapor heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residence (alt. and add.) and Garage, Wilmington, Del., \$20,000. Architects, De Armond, Ashmead & Bickley, 1529 Walnut street, Philadelphia. Owner, R. G. Haskell, 900 Broome street, Wilmington, Del. Brick and plaster, 2½ stories, wing 20x30 feet; garage, 2 stories, 40x40 feet, shingle roof, vapor and hot water heating, electric lighting, gasoline storage system. Architects taking bids, due June 6th. The following are figuring: Wm. D. Haddock & Co., 804 Orange street; John E. Healy & Son., 707 Tatnall street; Edward L. Johnson, 1316 Clayton street, all of Wilmington, Del., and Eugene Tourison, 1001 Chestnut street, Philadelphia.

Residences (12), Sixth and Rodney streets, Wilmington, Del., \$24,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Peter J. Ford, Ford Building, Wilmington, Del. Brick, 2½ stories, 20x45 feet, tile, slate and tin roofs, vapor heating, combination lighting, hardwood and tile floors. Revised plans in progress.

Bakery, Fourth and Union streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, name withheld. Brick and steel, 2 stories, 30x80 feet, slag roof, steam heating, combination lighting, waterproofing and damp-proofing, steel sash. Plans in progress.

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Wm. Whitten, 604 W. Nineteenth street, Wilmington, Del. Brick, 3 stories, 45x35 feet, shingle roof, hot water

heating, electric lighting, tile floors, waterproofing. Architects taking bids, due June 7th. The following are figuring: W. D. Haddock & Co., Jas. M. Smythe, John E. Healy & Son, Edw. L. Johnson and the Realty Const. Co., all of Wilmington.

Residence and Garage, Milford, Del., \$15,000. Architects, De Armond, Ashmead & Bickley, 1529 Walnut street, Philadelphia. Owner, Walter L. Grier, Milford, Del. Brick, 2½ stories, 33x60 feet, shingle roof, vapor heating, electric lighting, tile work, hardwood floors. Architects taking bids, due June 13th. The following are figuring: W. D. Haddock & Co., 804 Orange street, Wilmington, Del.; Charles M. Shockley, Milford, Del.; Eugene Tourison, 1001 Chestnut street, Philadelphia, and J. A. Bader Co., Dupont Building, Wilmington, Del.

Factory, Winston-Salem, N. C. Architect, J. E. Sirrine, Greenville, N. C. Owners, R. J. Reynolds Tobacco Co., Winston-Salem, N. C. Reinforced concrete and brick, 5 stories, 152x250 feet, gravel or asbestos roof, steel sash, fire doors, safety treads, asphalt floors (plumbing, heating, electric work, elector reserved). Architect taking bids, due June 10th. Turner-Concrete Steel Co., 1713 Sansom street, Philadelphia, is figuring.

College Building (remodeling), Newark, Del., \$75,000. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware State College, Newark, Del. Stone and brick, 2 stories, fireproof floors, metal lath

(asbestos shingle roof, heating, plumbing, electric lighting, tile and marble work, lockers separate bids). Architects taking bids, due June 21st. The following are figuring: F. M. Harris Co., 1825 Wylie street; Jacob Myers & Sons Co., Witherspoon Building; R. C. Ballinger & Co., 218 North Thirteenth street; Pomeroy Const. Co., 1609 Ranstead street; Doyle & Co., 1519 Sansom street, all of Philadelphia; Benj. F. Bennett, 123 South Howard street, Baltimore; John Waters, 23 East Centre street, Baltimore; Matthews Const. Co., Princeton, N. J.; W. Howard May, J. A. Bader & Co., and Wm. D. Haddock & Co., all of Wilmington, Del.

Church, Toledo, Ohio, \$40,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Stephen's Lutheran Church, Rev. E. J. Wackerpagel, Toledo, Ohio. Stone and steel, 1½ stories. Plans in progress.

Library Building, Ann Arbor, Mich. Architects, Kahn & Wilby, Detroit, Mich. Owners, University of Michigan, Shirley W. Smith, secretary, Ann Arbor, Mich. Reinforced concrete, brick and terra cotta, 4 stories, 197x45 feet, composition, asphalt and tile roof, metal lath, fire doors, metal sash, damp-proofing, marble and terrazzo work, hollow metal doors (heating, plumbing and electric work reserved). Architects taking bids, due June 20th. Charles McCaul Co., 1713 Sansom street, Philadelphia, is figuring.

Miscellaneous Contracts Awarded

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, F. A. Wardenburg, 1311 Gilpin avenue, Wilmington. Brick, 3 stories, 50x36 feet, shingle roof, vapor heating, electric lighting, tile and hardwood floors. Contract awarded to Realty Const. Co., Wilmington, Del.

Store and Office Building (alt.), Eighth and Orange streets, Wilmington, Del., \$10,000. Architect, Roscoe C. Tindall, Equitable Building, Wilmington, Del. Owners, Middletown

Farms, care Wm. Brady, 208 W. Fifth street, Wilmington. Brick, 3 stories, electric lighting, composition floors. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Preserving Plant (add.), Newark, Del. Architect, Frederick J. Ritter, Washington Hotel, Philadelphia. Owners, P. J. Ritter Conserve Co., 2156 East Dauphin street, Philadelphia. Frame, 1 story, 50x200 feet, asbestos roof, electric lighting, concrete floors. Contract awarded to Herman J. Voigt, 1251 North Twenty-eighth street, Philadelphia.

MARYLAND Construction News

Theatre (alts. and add.), North avenue and Charles street, Baltimore, \$100,000. Architect, A. Forrest, Law Building, Baltimore. Owners, Winter Garden Amusement Association, Baltimore, Md. Brick and terra cotta, slag roof, steam heating, electric lighting, tile and marble work, concrete work, reinforced concrete, fireproofing. Plans in progress.

Apartment House, Lake Drive, Maryland. Architect, E. H. Glidden, Garrett Building, Baltimore. Owner's name withheld. Brick and fireproof, 5 stories, slag roof, steam heating, electric lighting, passenger elevator. Plans in progress.

Stores (alts.), 112-114 eWst Baltimore street, Baltimore, Md. Architect, Edw. H. Glidden, Garrett Building, Baltimore. Owner,

B. Howard Richards, Equitable Building, Baltimore. Consists of general interior alterations, electric work. Plans in progress.

Dwelling, Frederick avenue, near North Bend, Baltimore, \$8,000. Architect, William B. Gerwig, 1028 North Fulton avenue, Baltimore. Owner, Mrs. Fred C. Joh, Augusta Apartments, Baltimore. Frame, 2½ stories, 35x38 feet, slate roof, steam heating. Plans in progress.

Dwelling, Guilford, Md. Architect, Edw. L. Palmer, 1620 Munsey Building, Baltimore. Owner, Ernst Schmeeiser, Maryland Casualty Tower, Baltimore. Brick, 2½ stories, slate roof, hot water or special heating system, combination lighting, tile work, hardwood floors. Ready for bids.

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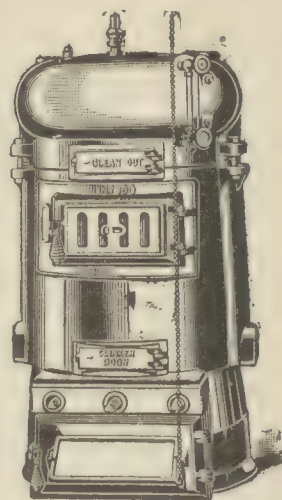
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MARYLAND

Contracts Awarded

Factory Building, Montebello avenue and Twenty-fifth street, Baltimore. Architect, private plans. Owners, Linde Air Products Co., Forty-second street building, New York City. Brick, steel and concrete, 1 story, 100x125 feet, concrete and slag roof, electric lighting, metal work. Contract awarded to West Construction Co., 218 East Lexington street, Baltimore.

Residence and Garage, Baltimore, Md., \$13,000. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, Julian S. Carter, Knickerbocker Building, Baltimore. Brick, 2½ stories, 35x50 feet, and wing 24x15 feet. Garage, 1½ stories, 25x14 feet, slate

and tin roofs, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to J. Henry Smith, 1426 Ligh street, Baltimore.

Apartment and Garage, Lake Front, Baltimore, Md., \$20,000. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owners, Owosso Apartment Co., Baltimore. Brick, limestone and terra cotta trimmings, 3 stories, slag roof, sombination lighting, tile work dumb waiters, cement floors, dampproofing, refrigerators (heating reserved). Garage, brick, 1 story, concrete roof. Contract awarded to John F. Kunkel, 29 South Linwood avenue, Baltimore.

John J. Hurley (O and C), 4416 Cresson street. Cost, \$1,700. Dwelling, brick, 15x32 feet, 2 stories, slag roof, hot air heating, Wendover and Apple streets

Stadlen & Miron (O and C), Fourth and Wharton streets. Cost, \$46,200. Twenty-one dwellings, brick, 15.2½x41 feet, 2 stories, slag roof, hot water heating, Tenth and Duncan streets.

Haseltine Smith (O), 326 Walnut street. Horace H. Burrell (C), 206 South Quince street. Cost, \$1,000. General repairs, 326 Walnut street.

H. Lavor (O), 2446 North Thirty-third street. M. J. Benany (C), 3042 West York street. Cost, \$950. Dwelling, brick, rear shed, 8x13 feet, and general repairs, 247 to 61 West Indiana avenue.

James Stewart (O and C), 4552 Manayunk avenue. Cost, \$4,800. Two dwellings, brick, 15.4x52 feet, 2 stories, hot water heating, tin roof, 4020-26 Pachin street, Roxborough.

John J. Hurley & Co. (O and C), 4416 Cresson street. Cost, \$1,800. Dwelling, brick, 16x47.6 feet, 2 stories, hot air heating, slag roof, southeast corner Apple and Wendover streets.

L. and Charles G. Wellington (O), Eighty-eighth and Eastwick avenue. John Scholtz (C), Eighty-eighth and Estwick avenue. Cost, \$1,200. Dwelling, brick, 24x24 feet, 2 stories, shingle roof, Eighty-eighth and Eastwick avenue.

Bessie W. Kimble (O), Bourse Building. P. A. Waltz (C), 6610 North Seventh street. Cost, \$6,500. Dwelling, stone, 3 stories, 27x59

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Archbishop Prendergast (O), Eighteenth and Race streets. William J. McShane (C), 417 South Thirteenth street. Cost, \$30,400.

Rectory, concrete and stone, 50x74 feet, 3 stories, slag on deck tile on pitch roof, Twenty-eighth and Diamond streets.

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feet, slate roof, hot water heating, Eleventh and Sixty-fifth avenue.

Miss S. Omelia Beitzel (O), 110 East Tabor road. Alfred Steinhauer (C), 5424 North Fifth street. Cost, \$8,000. Two dwellings, brick, 16x49 feet, 3 stories, asphalt shingles, hot water heating, Rising Sun and Tabor road.

George Edel (O and C), Hillcrest and Stenton avenue. Cost, \$30,000. Fifteen dwellings, brick, 14x30 feet, 2 stories, slag roof, hot water heating, Buckins street and Frankford avenue.

Electric Storage Battery Co. (O), Nineteenth and Allegheny avenue. William Steele & Son Co. (C), 1600 Arch street. Cost, \$225,000. Concrete building, 7 stories, as plans, slag roof, Nineteenth and Allegheny avenue.

Atlantic Refining Co. (O), 3144 Passyunk avenue. Cost, \$84,000. Boiler house, concrete, 140x99 feet, 2 stories, slate roof, Twenty-eighth and Passyunk avenue.

Lasher & Silver (O and C), 1700 South Fifth street. Cost, \$59,300. Fourteen dwellings, 2 stories, slag roof, hot water heating. One, 16x48 feet, Broad and Blaves streets; one, 16x54 feet, Broad and Blaves streets; eight, 16x55 feet, York road and Blaves street; two, 16x43 feet, Wingohocking and York road; two, 16x48 feet, Wingohocking and York road.

Rev. E. F. Prendergast (O), Logan Square. John McShain (C), 1610 North street. Cost, \$85,000. School building, concrete and stone,

94x118 feet, 3 stories, steam heating, slag roof, Forty-ninth and Chestnut streets.

Rev. E. F. Prendergast (O), Logan Square. John McShain (C), 1610 North street. Cost, \$7,000. School, stone stair tower and toilets as plans, Sixty-second and Cedar avenue.

C. Schmidt & Sons Brewing Co. (O), 127 Edward street. John Gill & Co. (C), 1215 Filbert street. Cost, \$1,500. Saloon, brick, interior alterations, Second and Germantown avenue.

Dr. George Woodward (O), Chestnut Hill. Wolverton & Collins (C), 7930 Germantown avenue. Cost, \$11,000. Dwelling, stone, 60x56 feet, slate roof, hot water heating, Navahoe and Abington avenue.

John M. Snyder (O and C), 302 Ashdall street. Cost, \$46,200. Twenty-four dwellings, brick, slag roof, hot water heating, 2 stories. Twelve, 15x39 feet, Fairhill street and Duncannon street; twelve, 16x32 feet, Fairhill and Duncannon streets.

A. Rubin (O and C), 1127 Thompson street. Cost, \$17,200. Eight dwellings, brick, slag roof, hot water heating, 2 stories. Two, 14x35 feet, Howard and Loudon streets; one, 14x39 feet, Howard and Loudon streets; one, 15x48 feet, Howard and Loudon streets; one, 16x50 feet, Masher and Loudon streets; three, 16x40 feet, Masher and Loudon streets.

Dr. John Strobel (O), 1907 North Broad street. John N. Gill & Co. (C), 1215 Filbert street. Cost, \$1,400. Garage, brick, 18x22 feet, 2 stories, slag roof, Watts and Berks streets.

(C), 1326 Chestnut street. Cost, \$15,000. Factory, brick, 1 story, 60x60 feet, Tucker and Bermuda streets.

Robert McAllister (O), 6813 Greenway avenue. Cost, \$4,000. Garage, brick, 1 story, 40x100 feet, 6811-13 Greenway avenue.

Girard Trust Co. (O), Broad and Chestnut streets. J. Morris Daniels (C), 252 South Juniper street. Cost, \$890. Store alterations, 214 North Eighth street.

Charles A. White (O), 927 North Ninth street. Thomas Little & Sons (C), 1713 Moravian street. Cost, \$4,500. Dwelling, alterations, 1855 North Park avenue.

A. C. Wagner (O), 333 Green street. Geo. Kessler Cont. Co. (C), Drexel Building. Cost, \$500. Store, brick, 333 Green street.

F. & E. Aubel (O), 2520 North Ninth street. Henry P. Schneider (C), 3713 Old York road. Cost, \$850. Fire repairs, 2504-06 Cadwallader street.

Andrew Donaldson, Jr. (O), 2237 Oakford street. Paul J. Hoft (C), 245 South Eighth street. Cost, \$664. Saloon, hot water heating system, Eighth and Fitzwater streets.

Trinity Norwegian Evangelical Lutheran Church (O), Twentieth and Parrish streets. Thomas C. Trafford (C), 1613 Sansom street. Cost, \$9,800. Church, stone, alterations, Twentieth and Parrish streets.

Atlantic Refining Co. (O), 3144 Passyunk avenue. Cost, \$5,000. Concrete and brick house, 39x70 feet, Twenty-eighth and Passyunk avenue.

S. Neil (O), 837 North Third street. B. Bornstein (C), 1510 North Franklin street. Cost, \$2,000. Factory, general repairs, 165 East Allen street.

Frankford Grocery Co. (O), Penn and Unity streets. Barclay White & Co. (C), Perry Building. Cost, \$35,000. Concrete brick,

third and fourth story addition, 90x176 feet, Penn and Unity streets.

Wrainian League (O), Clarissak & Rowan streets. Joseph Staron (C), 1937 Brunner street. Cost, \$1,750. Club house, brick, 2 stories, addition, 15x41 feet, northeast corner Clarissak and Rowan streets.

Joseph Staron (O). Cost, \$500. Brick store, two-story addition, 6x16 feet, slag roof, 4318 Wayne avenue.

Pecors Paint Works (O), Fourth and Sedgley avenue. Fidelity Const. Co. (C), Heed Building. Cost, \$5,000. Building, brick 1 story, 32x64 feet, slag roof, Fourth and Sedgley avenue.

John Wanamaker (O), Thirteenth and Market streets. Joseph Scott (C), 3933 North Eighth street. Cost, \$500. Building, brick, 1 story as plans, 5322 Lancaster avenue.

F. Leibfried (O), Bristol, Pa. J. Nueman (C), 1029 Jackson street. Cost, \$1,000. Brick store, general alterations, no additions, 605 North Second street.

Hafleigh & Co. (O), American and Somerset streets. Peter Heise (C), 2253 North Fifth street. Cost, \$1,400. Factory, brick, repair wall, American and Somerset streets.

Aspeb Air Festwal Co. (O), New York City. Doyle & Co. (C), 1519 Sansom street. Cost, \$2,000. Temporary platform, 144x98 feet, Franklin Field, Philadelphia.

James Sweeten (O), 3430 Chestnut street. A. F. Knipe (C), 1737 Filbert street. Cost, \$10,000. Garage, brick, 54x100 feet, second story addition, 3430 Chestnut street.

Dr. George Woodward (O), Bailey Building. Wolverton & Collins (C), 7930 Germantown avenue. Cost, \$1,000. Garage, stone, 13x23 feet, 1 story, tin roof, Navahoe and Abington avenue.

Chelton Trust Co. (O), 5614 Germantown avenue. William C. Wright (C), 22 Harvey street. Cost, \$600. Dwelling, frame, repair fire damage, 535 West Carpenter street.

Philadelphia and Reading Railway Co. (O), Twelfth and Market streets. Cost, \$800. Tool house, brick, 15x26 feet, 1 story, Richmond and Lehigh avenues.

Philadelphia and Reading Railway Co. (C), Twelfth and Market streets. Cost, \$600. Concrete foundation for 47,000 gallons tank, Richmond street and Lehigh avenue.

Bethlehem Presbyterian Church (O), Broad and Diamond streets. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$3,000. Stone church.

Dr. Reinhard Nell (O), Twenty-second and Fairmount avenue. William H. Schultz (C), 3340 North Carlisle street. Cost, \$2,000. Dwelling, brick, 1 story rear addition, 16x37 feet, slag roof, and 7x15 feet porch on second and third stories, Twenty-second and Fairmount avenue.

Mrs. Margaret Boehm (O), 318 New street. N. B. Boone (C), 665 North Fifteenth street. Store, general repairs, 1232 West Columbia avenue.

The Barrett Co. (O), Frankford, Philadelphia. A. L. Carhart (C), 1326 Chestnut street. Cost, \$10,000. Refrigerating plant, brick, 50x80 feet, Margaret and Bermuda streets.

St. Nicholas Day Nursery, Inc. (O), 328 South Twelfth street. Robert Baile Co., Inc. (C), 815 South Nineteenth street. Cost, \$600. Hot water heating system, 328 South Twelfth street.

Thomas Magee (C), 321 New street. Koelle Speech & Co. (C), Twenty-sixth and Oxford streets. Cost, \$2,000. Building, brick, 1 story, rear addition, 38x27 feet, slag roof, 321 and 323 New street.

Alterations and Additions

James J. Ryan (O), 1130 North Fortieth street. James Johnston (C), 1721 Ludlow street. Cost, \$1,400. Fire damages, 1130 North Fortieth street.

M. Milokourtz (O), 1531 North Thirty-third street. A. Lashner (C), 1628 South Orkney street. Cost, \$550. Store alterations, 531 South street.

Rudolph Wurlitzer Co. (O), Ninth and Chestnut streets. Unit Const. Co. (C), 131 South Thirty-first street. Cost, \$2,000. Store alterations, 1017 Chestnut street.

Electric Storage Battery Co. (O), Nineteenth and Allegheny avenue. Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$2,000. Brick, 8x194 feet, Nineteenth and Allegheny avenue.

Joshua M. Holmes (O), 4540 North Twelfth street. Cost, \$47,300. Twenty dwellings. Fourteen, 18x35 feet; six, 16x55 feet, Eleventh and Courtland streets.

St. James the Less Church (O), Thirty-third and Clearfield streets. Joseph Bechtel (C), Fifteenth and Race streets. Cost, \$1,800. Stone wall, Thirty-third and Clearfield sts.

Consumers' Brewing Co. (O), Clarion and Fitzwater streets. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$1,200. Bottling house, brick, elevator shaft, southwest corner Clarion and Fitzwater streets.

Archbishop Prendergast (O), Eighteenth and Race streets. William J. McShane (C), 417 South Thirteenth street. Cost, \$47,000. School, stone, general interior and exterior alterations and additions, Twenty-third and Mifflin streets.

Mrs. H. G. Kinnier (O), 1832 Green street. John Borden & Bro. (C), 637 North Nineteenth street. Cost, \$700. Hot water heating system, 1832 Green street.

Barrett Co. (O), Frankford. A. L. Carhart

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 The Rexim Co.....908 Chestnut st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Automobiles.**
 Eastern Motors Corporation,
 1634 Chestnut st., Phila.
- Blue Prints.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 The Rexim Co.....908 Chestnut st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
 Russell and Keffer, Commercial Trust Bldg., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 David France Co.,
 Tasker st. wharf Delaware River, Phila.
- Cement.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 David France Co.,
 Tasker st. wharf, Delaware River, Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
- Cement Colors.**
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 Pearce Fireproof Co.....1345 Arch st., Phila.
- Concrete Construction.**
 Turner Concrete Steel Co..1715 Sansom st., Phila.
- Dampproofing.**
 The Aquabar Co...Real Estate Trust Bldg., Phila.
 The Barrett Co.....New York City and Phila.
 Builders' Steel Products Co.Fidelity Bldg., Phila.
- Door Hangers.**
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 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
 Richards-Wilcox Mfg. Co.....50 N. 6th st., Phila.
- Drawing Materials.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Electrical Specialties.**
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.
- Electrical Construction.**
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.
- Engineers' Supplies.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
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 Anchor Post Iron Works,
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 Frank C. Gillingham & Son Co.,
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- Furnaces.**
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
 Borden Stove Co.....118 N. 2d st., Phila.
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 Henry M. Miller.....46-48-50 N. 2d st., Phila.
- Gas and Gas Appliances.**
 United Gas Improvement Co.,
 Broad and Arch sts., Phila.
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 Holmesburg Granite Co.,
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 Bowers Bros. & Co.,
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- Heating Boilers.**
 H. B. Smith.....1225 Arch st., Phila.
- Insurance.**
 Harris J. Latta.....Penna. Bldg., Phila.
- Iron Work (Structural and Ornamental).**
 James G. Madden...Franklin Bank Bldg., Phila.
- Ladders.**
 T. C. Krewson.....801 Master st., Phila., Pa.
- Lockers.**
 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.
- Lumber.**
 Currie & Campbell...Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
 Howard Ketcham....3d and Girard ave., Phila.
 James E. Tague & Co.,
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 Belf Bros. & Co.....20-22 S. 19th st., Phila.
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 N. J. Pulp Plaster Co.....Trenton, N. J.
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 F. E. Sagendorph....24th & Walnut sts., Phila.
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 Borden Stove Co.....118 N. 2d st., Phila.
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
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 Brinkmann Bros.....2615 Frankford ave., Phila.
 T. S. Johnson Sons Co.....622 Cherry st., Phila.
- Roofing Slate.**
 C. F. Shellenberger...Builders' Exchange, Phila.
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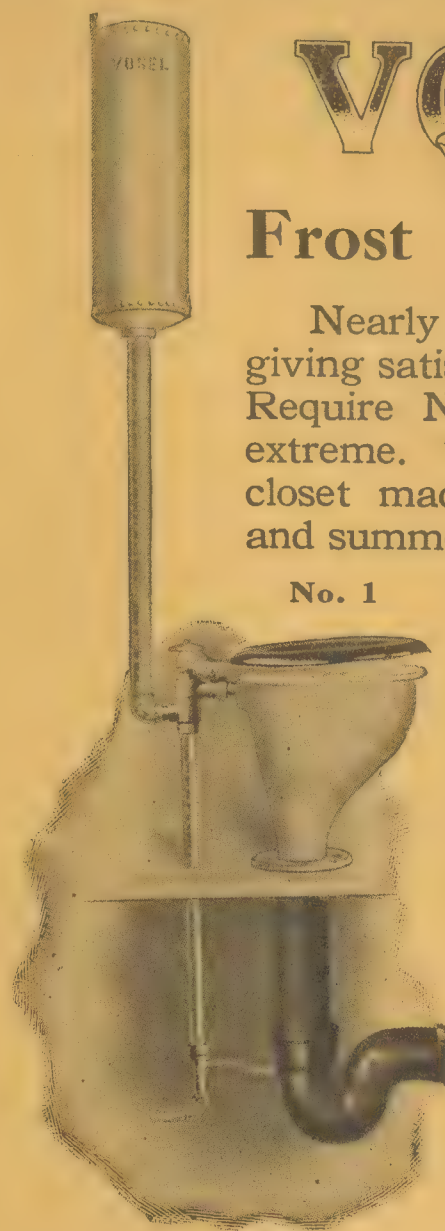
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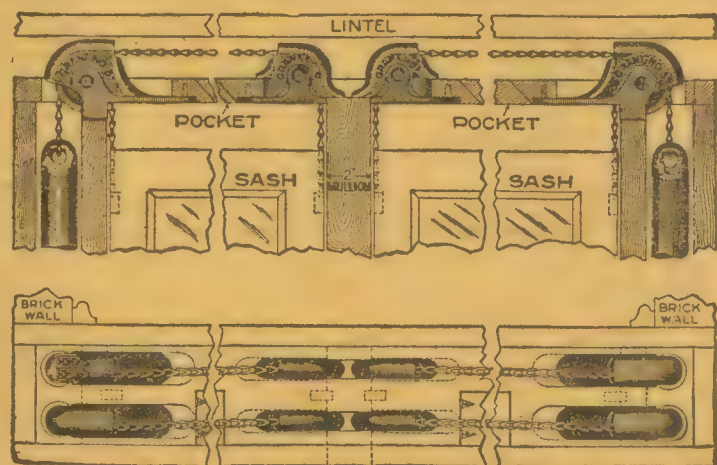
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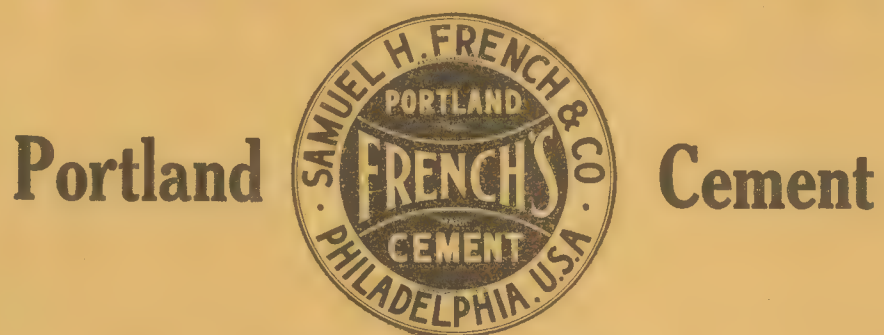
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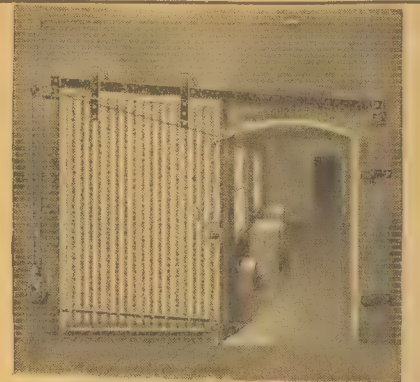
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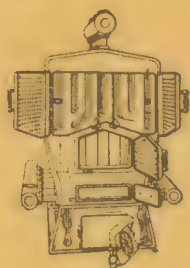


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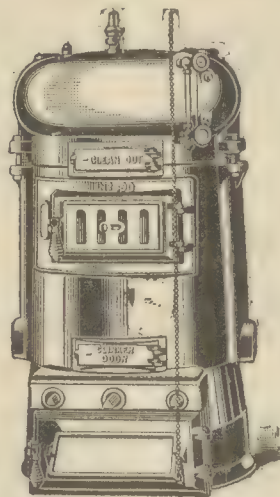
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PHILADELPHIA, WEDNESDAY, JUNE 14, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Riding Pavilion, Chestnut Hill, Phila. Architect, Chas. E. Oelschlager, Harrison Bldg., Phila. Owner, Henry A. Laughlin, West Chestnut avenue, Chestnut Hill. Brick and frame, 1 story, 40x190 feet, slag roof. Architect taking bids due June 14 at noon. The following are figuring: A. Raymond Raff Const. Co., 1635 Thompson street; D. Henwood, 1509 Wood street; P. J. Hurley, 1233 Cherry street; E. J. Kreitzburg, 1345 Arch street; Wm. R. Dougherty, 1610 Sansom street; Stacy Reeves & Sons, 2011 Market street, Phila.

Residence (alt. and add.), 814 S. 48th street, Phila. Architect, Addison H. Savory, Stephen Girard Bldg., Phila. Owner, Avery D. Harrington, 133 S. 12th street, Phila. Brick, 4 stories, tile roof, parquet floors, tile work, metal weather strips (heating and electric work reserved). Architect taking bids due June 13. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; F. L. Hoover & Sons, 1023 Cherry street; I. A. Dunkelberger, 71 E. Herman street; Frank E. Wallace, 1220 Chancellor street; R. C. Ballinger & Co., 218 N. 13th street; H. E. Baton, 12th & Sansom streets; Wm. J. Gruhler Co., 219 E. High street; Frank I. Wintz, 1618 N. 27th street, Philadelphia.

Warehouse, 41st and Lancaster avenue, Phila. \$15,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, 40x108 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residences (29), 29th and Spencer streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles B. Maguire, Fidelity Bldg., Philadelphia. Brick, 2 stories, slag roofs, hot water heating, electric lighting, hardwood floors. Owner is taking sub-bids.

Residences (13), 58th and Ludlow streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, George H. McClatchy, 5906 Lansdowne avenue, Philadelphia. Brick, 2 stories, slag roofs, hot water heating, electric lighting,

hardwood floors, tile work. Owner is taking sub-bids.

Residences (17), H & Tioga streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Frank Deitrich, Jr., Potter and H streets, Philadelphia. Brick, 2 stories, slag roofs, hot water heating, electric lighting. Owner is taking sub-bids.

Grade Crossings, Gravers Lane, Philadelphia. Engineer, A. S. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station. Consists of masonry walls, grading, etc. Owners taking bids due June 15 at 11 A. M. Plans may be obtained at Room 607, Broad Street Station.

Farm Buildings, Erdenheim, Chestnut Hill, Pa. Architect, Horace Trumbauer, Land Title Bldg., Philadelphia. Owner, Geo. D. Widener, Land Title Bldg., Philadelphia. Consists of general alterations and additions, 2 barns and (1) cottage, stone and frame, slag and slate roofs, hot water and hot air heating, electric lighting. Architect taking bids due June 14. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; J. Sims Wilson Co., 1125 Brown street; Geo. F. Payne & Co., 401 S. Juniper street, and Specht and Sperry, Heed Bldg.

Factory (add.), 4679 Stenton avenue, Philadelphia. Architect, Chas. W. Denny, Hale Bldg., Philadelphia. Owner, National Drug Co., on premises. Brick, 4 stories, 48x94 feet, slag roof, steam heating, electric lighting. Plans in progress. Architect will sub-let all contracts.

Chemical Factory, Delaware river and Mifflin street. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Mifflin Chemical Co., care of architects. Brick, concrete and steel, 1 story, 40x80 and 30x50 feet, slag roofs, steam heating, electric lighting. Architects taking bids due June 13. The following are figuring: Joseph Levin, 1530 S. 6th street; Smith-Hardican Co., 1606 Cherry street; Lam Bldg. Co., 1001 Wood street; I. T. Shoe-

maker, 1324 Walnut street; H. Reusswick, 137 N. 10th street; McCloskey & Hahls, Hale Bldg. & Wm. Linker Co., 831 Cherry street, Philadelphia.

Warehouse and Offices, 950 to 962 N. Hancock street. \$100,000. Architect, private plans. Owner, the Bell Co., Front and Cambria streets, Philadelphia. Brick, 5 stories, 100x116 feet, slag roof, steam heating, electric lighting, elevators, fire doors, roof ventilators. Builder, Harry Gill, Jr., 2515 Germantown avenue, will take sub-bids on all lines in a few days.

Church, 62nd and Columbia avenue, Philadelphia. Architects, Sheen & Gill, 450 N. Wilton street, Philadelphia. Owner, Overbrook Baptist Church, Rev. David K. Wood, 1618 N. Robinson street, Philadelphia. Stone, 1 story, 50x73 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about two weeks.

Garage, 3628 Walnut street, Philadelphia. Architect, Clarence M. Bogia, 5833 Washington avenue. Owner, Wm. H. Beaver, 127 N. 5th street, Philadelphia. Brick, 1 story, 176x50 ft., slag roof, electric lighting, waterproofing, concrete floors (gasoline storage system and hot water heating, reserved). Owner taking revised bids due as soon as possible. Smith-Hardican Co., 1606 Cherry street, is figuring.

Cottage and Greenhouse, Chestnut Hill, Philadelphia. Architects, Karcher & Smith, 34 S. 17th street, Philadelphia. Owner, name withheld. Brick, 1 1/4 stories, cottage, 22x28 feet, and greenhouse, 50x13 feet, shingle roof, electric lighting (heating, reserved). Architects taking bids due June 14. The following are figuring: H. H. Burrell, 206 S. Quince street; H. E. Grau Co., 1707 Sansom street; J. Sims Wilson Co., 1125 Brown street; I. A. Dunkelberger, 71 E. Horman street, Philadelphia.

Rectory, 29th and Allegheny avenue, Philadelphia. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owner, Corpus Christi R. C. Church, Rev. Henry A. Naylor, 2902 Allegheny avenue, Phila-

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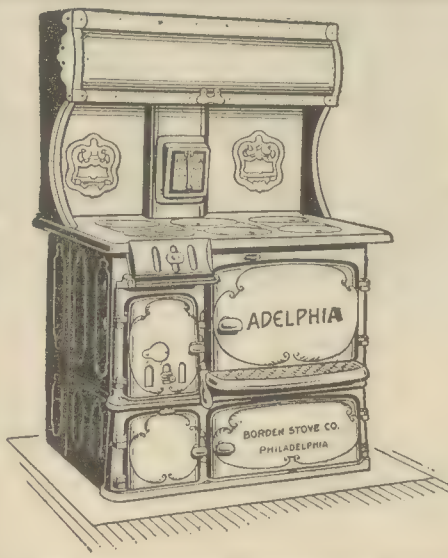
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delphia. Stone, 3 stories, 40x70 feet, tile
work (heating, plumbing and electric work,
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June 19. The following are figuring: Me-
lody & Keating, 1322 Race street; Wm. R.
Dougherty, 1610 Sansom street; Doyle &
Co., Bailey-Lush Co., 201 N. Broad street;
Wm. J. McShane, 417 S. 13th street, and
Charles McCaul Co., 1713 Sansom street,
Philadelphia.

Automobile Factory, Front and Erie ave-
nue, Philadelphia. Architect, private plans.
Owners, S. S. E. Company, V. L. Emerson,
Mgr., 2300 Chestnut street. Brick, concrete
and steel, 1 story, 1000x200 feet, slag roof,
steam heating, electric lighting. Plans in
progress.

Residence, 10th street and N. E. Boule-
vard, Philadelphia. Architect, Ralph B.
Bencker, Bellevue Court Bldg., Philadel-
phia. Owner, Rev. Irving S. Chenoweth,
1418 Euclid street, Phila. Stone, 3 stories,
15x50 feet, slate roof, hot water heating,
electric lighting, tile work, parquet floors.
Architect taking bids due June 16. The
following are figuring: H. E. Grau Co., 1707
Sansom street; George A. Boyd, 211 E.
Willow Grove avenue; H. E. Baton, 12th
and Sansom streets; Pringle Borthwick,
8018 Germantown avenue.

Warehouse, Wharton and Taylor streets,
Philadelphia. Architect, John E. Young-
berg, 30 N. Dearborn street, Chicago, Ill.
Owner, American Radiator Co., Chicago,
Ill., and 115 N. Broad street, Philadelphia.
Brick and reinforced concrete, 2 stories,
150x120 feet, asbestos roof, metal lath, wood
blocks, electric lighting, electric elevator,
fire doors, roof ventilators, steel sash.
Builders, H. E. Grau Co., 1707 Sansom
street, is taking new sub-bids.

Residence (alt. and add.), 2139 Cypress
street, Philadelphia. Architects, Price &
McLanahan, Bellevue Court Bldg., Phila-
delphia. Owner, Mrs. Priscilla B. Mont-
gomery, on premises. Brick, 3 stories, slag
roof, hot water heating, electric light.
Architects taking revised bids due as soon
as possible. H. E. Grau Co., 1707 Sansom
street, is figuring (only bidders).

Theatre, Broad and Erie avenue, Phila-
delphia. (Alt.) Architects, Henon & Boyle,
10 S. 18th street, Philadelphia. Owners,
Nicholas J. Haynes, Broad and Erie ave-
nue, Philadelphia. Consists of interior and

exterior alterations. Architects taking bids
due June 14. The following are figuring:
Smith-Hardican Co., 1606 Cherry street;
Stacy Reeves & Sons, 2011 Market street;
Lam Bldg. Co., 1001 Wood street; Geo.
Hoag, 1634 Sansom street; Conneen Const.
Co., Commercial Trust Bldg.

Bank and Office Building, N. E. Cor. 13th
and Market streets. Architect, Alfred C.
Bossom, 366 5th avenue, New York City.
Owner, Colonial Trust Co., on premises.
Brick, stone, terra cotta, concrete and steel,
13 stories, 342x100 feet, slag, tile, asbestos
and asphalt roof, steam heating, electric
lighting, metal lath, safety treads, tile work
and marble work, metal sash, kalamein
doors, (3) elevators (electric). Revised
plans in progress.

Theatre (alts.), 1632 and 34 Market
street, Philadelphia. Architects, The Hoff-
man Co., Finance Bldg., Philadelphia.
Owner, The Regent Theatre, on premises.
Consists of small interior alterations, tile
work, painting, etc. Architects taking bids
due as soon as possible. Smith-Hardican
Co., 1606 Cherry street, Philadelphia, is fig-
uring.

Hall Building, 751 to 755 S. 19th street,
Philadelphia. Architects, Milligan & Pier-
son, 520 Walnut street, Philadelphia. Own-
er, United Order of Odd Fellows, on prem-
ises. Brick, stone trimmings, 1 story, 125x
50 feet, Carey's roof, electric lighting,
maple floors, roof ventilators, tile work
(plumbing and heating, reserved). Revised
plans in progress.

Factory, 7th and Willow streets, Phila-
delphia. Architects, Chas. W. Bolton &
Son, Witherspoon Bldg., Philadelphia.
Owners, Wm. R. Warner & Co., 639 N.
Broad street, Philadelphia. Brick and con-
crete, 6 stories. Details not yet decided.
Preliminary plans completed. Final plans
will soon be started.

Factory Building, Stenton avenue, Wayne
Junction. Architects, Morris & Erskine,
Crozer Bldg., Philadelphia. Owners, Leeds
& Northrup Co., 4901 Stenton avenue,
Philadelphia. Reinforced concrete and
brick, 4 stories, 50x100 feet, slag roof, steam
heating, electric lighting, elevators. Plans
in progress. Architects will take bids in
about two weeks.

Synagogue, Columbia avenue and Na-
trona street, Philadelphia. Architects,

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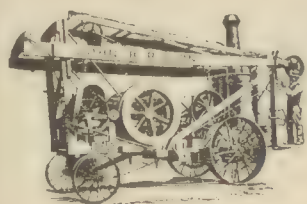
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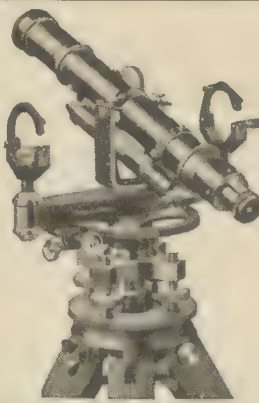
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Golden & Groenstein, Cambridge Bldg., Chester, Pa. Owners, name withheld. Brick and terra cotta, 1 story, 43x67 feet, tin roof, steam heating, electric lighting, yellow pine floors, tile work. Architects taking bids due June 14. I. T. Shoemaker, 1324 Walnut street, Philadelphia, is figuring.

School Building, Fourth and Porter streets, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and terra cotta, concrete floors, fireproof, 3 stories, 186x119 feet, composition roof, metal lath, fire doors, marble work, slate blackboards, roof ventilators (heating, plumbing and electric work separate bids). Lowest bid submitted by Melody & Keating, 1322 Race street, Philadelphia, \$189,599.

School (adds.), Fifty-eighth and Media sts., Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick and terra cotta, 3 stories; two wings, 68x36 feet and 81x37 feet, composition roof, metal lath, slate blackboards, marble work, roof ventilators, fire doors (heating, plumbing and electric work separate bids). Lowest bid submitted by Wm. R. Dougherty, 1610 Sansom street, Philadelphia, \$61,529.

Church, onrthwest corner Fifty-first and Spruce streets, Philadelphia, \$100,000. Architect, Walter H. Thomas, 140 South Fifteenth

street, Philadelphia. Owners, P. E. Church of the Mediator, care of George W. Jacobs, 1624 Chestnut street, Philadelphia. Stone, 1 story, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in two or three weeks.

Loft Building, 1219 to 1223 Vine street, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Claude S. Jarvis, 1211 Vine street, Philadelphia. Brick and terra cotta, 3 stories, 140x57 feet, slag roof, electric lighting, steam heating, maple floors, metal lath, ventilators, fire doors, kalamein doors, ornamental iron work, steel sash, tile work. Architects taking approximate bids. Final bids will be taken in about two weeks.

Department Store (add.), southeast corner Eleventh and Girard streets, \$600,000. Architects, Wm. Steele & Sons Co., 1600 Arch street. Owner, Stephen Girard Estate, Lafayette Building, Philadelphia. Lessees, N. Sneltenburg & Co., Eleventh and Market streets, Philadelphia. Brick, steel and concrete, 8 stories, 60x300 feet, composition roof, steam heating, electric lighting, elevators, concrete floors. Builders, Wm. Steele & Sons, 1600 Arch street, are taking sub-bids on all lines.

Church (remodeling), Twenty-fifth and Columbia avenue, Philadelphia. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Columbia Avenue M. E. Church, care of Rev. E. W. Hart, on premises. General remodeling of interior, new steam heating system, electric work, etc. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence & Garage, Chestnut Hill, Phila. \$1,000,000. Architect, Horace Trumbauer, Land Title Bldg., Phila. Owner, E. T. Stotesbury, Drexel Bldg., Philadelphia. Limestone, 2 stories, 300x72 feet, wing, 40x136 feet, copper, tile & composition roof, concrete and hollow tile fireproofing, metal lath, waterproofing, tile and marble work, ornamental iron, hardwood floors (heating, electric work, elevator and dumbwaiter, vacuum cleaning system, refrigerating system, cabinet work, reserved). Contract awarded to Geo. H. Fuller Co., Widener Bldg., Philadelphia.

Warehouse and Office, 2nd and York streets, Philadelphia. Architects, Henon & Boyle, 10 S. 18th street, Philadelphia. Owner, Stelwagon Mfg. Co., 19th and Washington ave., Philadelphia. Brick, 1 story, 60x110 feet, slag roof, oak floors (heating and electric work, reserved). Contract awarded to J. B. Jordan, 1335 S. 58th street, Philadelphia.

Residence, Oak Lane, Phila. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, James Mifflin, Oak Lane, Philadelphia. Hollow tile, 2½ stories, 43x60 feet, slate roof, electric lighting.

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hardwood floors, hot water heating, tile work. Contract awarded to Charles Bond, Ashbourne, Pa.

Residence (alt. and add.), & Garage, Overbrook, Phila. \$7,000. Architects, Frank Seeburger and C. E. Rabenhold, Penna. Bldg., Philadelphia. Owner, L. M. Lewis, Commercial Trust Bldg., Philadelphia. Stone, 2½ stories, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Alfred James, Bala, Pa.

Society Bldg. & Garage, 922 N. Broad street. \$60,000. Architect, Carl P. Borger, 1413 S. Penn Square, Philadelphia. Owner, Penna. Society for Prevention of Cruelty to Animals, Frank B. Rutherford, Secty., 1627 Chestnut street, Philadelphia. Brick,

stone and terra cotta, 3 stories, 160x38 feet, slag roof, reinforced concrete floors, metal lath, fire doors, ornamental iron roof ventilators, tile work (heating and electric lighting, separate bids). Contract awarded to R. C. Ballinger & Co., 218 N. 13th street, Philadelphia.

Church, 56th and Girard avenue. \$26,000. Architect, Geo. E. Savage, Witherspoon Bldg., Philadelphia. Owner, Palatinate Reformed Church, Rev. C. R. Baldwin, 1423 N. Howarth street, Philadelphia. Stone, 1 story, slate and slag roof, electric lighting, tile work, pine floors (steam heating, separate bids). Contract awarded to E. E. Hollenback, 12th and Race streets, Philadelphia.

PENNSYLVANIA Construction News

Residence and Garage (alt. and add.), Ardmore, Pa. Architects, Price & McLanahan, Bellevue Court Bldg., Philadelphia. Owners, James Crosby Brown, 4th & Chestnut streets, Philadelphia. Stone, 2½ stories, slate roof, yellow pine floors (plumbing, heating and electric work, reserved). Architects taking bids due as soon as possible. H. E. Grau Co., 1707 Sansom street, Philadelphia, are figuring (only bidders).

School, Rockdale, Pa. \$20,000. Architect, W. E. Hance, 204 W. 24th street, Wilmington, Del. Owner, Board of Education, Robert Habbersett, President, Glen Riddle, Pa. Brick, stone trimmings, 2 stories, 50x90 feet, slag roof, hot air heating, electric lighting. Plans in progress. Bids in one week.

Residence (alt. and add.), Ardmore, Pa. Architects, McIlvain & Roberts, Land Title Bldg., Philadelphia. Owner, James K. Clarke, Ardmore, Pa. Frame, 2½ stories, 26x13 feet, copper roof, hot water heating, electric lighting, oak floors, tile work. Architects have received bids.

Residence, Willow Grove, Pa. Architects, E. J. Holmes & Co., & C. Wharton Churchman, 1525 Locust street, Philadelphia. Owner, Daniel Bray, Mill street and Holmesburg avenue, Philadelphia. Stone, 2½ stories, 91x28 feet, slate roof, electric lighting, oak floors, tile work, metal lath (heating, reserved). Architects taking bids due June 10. The following are figuring: W. John Stevens, Wyncote, Pa.; E. D. Lever, Abington, Pa.; Jos. Hand, 8029 Frankford avenue; Jos. T. Taylor, Langhorne, Pa.; Alfred James, Bala, Pa.; and James B. Flounders, 1329 Arch street.

Factory (add.), Pottstown, Pa. Architect, Louis Allen Abramson, 220 5th avenue, New York City. Owner, S. Liebovitz & Sons, 75 Leonard street, New York City. Brick, 5 stories, 46x60 feet, slag roof (heating and electric work, reserved). Architect taking bids. George & Borst, 277

S. 11th street, Philadelphia, are figuring.

School (add.), Penn Square, Pa. Architect, E. T. Boggs, 136 S. 4th street, Philadelphia. Owner, Board of Education, Penn Square, Pa. Brick, 2 stories, 25x45 feet, slate roof, steam heating, electric lighting. Plans in progress. Will take bids in three weeks.

Farm Buildings, Bryn Mawr, Pa. Architects, Charles Willing and Furness, Evans & Co., Provident Building. Owner, Edgar B. Howard, Bryn Mawr, Pa. Brick, frame and plaster, 1 and 2 stories, 22x59 feet, 21x76 feet and 30x80 feet, shingle and slate roofs, dampproofing, hollow tile, pine and cement floors (heating, plumbing and electric work, separate bids). Architects taking bids, due June 15th. The following are figuring: William R. Dougherty, 1610 Sansom street; E. J. Heddon, Finance Building; Jacob Myers & Sons, Witherspoon Building, Philadelphia.

Residence, Cynwyd, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, James S. Moore, Cynwyd, Pa. Stone, 2½ stories, 43x28 feet, slate roof, oak floor, tile work, metal lath (heating and electric work, reserved). Architects taking bids, due June 16th. The following are figuring: James H. Wells, Heed Building; Thomas C. Trafford, 1613 Sansom street; John E. Kourney, 327 North Sixty-third street; Samuel Harting, 20 East Johnson street; A. L. Fretz & Sons, 1222 Chancellor street; Metzger & Fisher, Denckla Building; W. Harry Roberts, Ardmore, Pa.; P. J. Lawler, Bala, Pa.

Twin Residences (2), Bethlehem, Pa. Owners, Foering & Heller, Bethlehem, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Tapestry brick, 2½ stories, 33x54 feet, slate roof, hot water heating, hardwood floors, tile work, electric lighting. Plans about completed. Owners will sub-let all contracts.

Stable and Farmer's Cottage, Media, Pa. Architects, McIlvain & Roberts, Land Title

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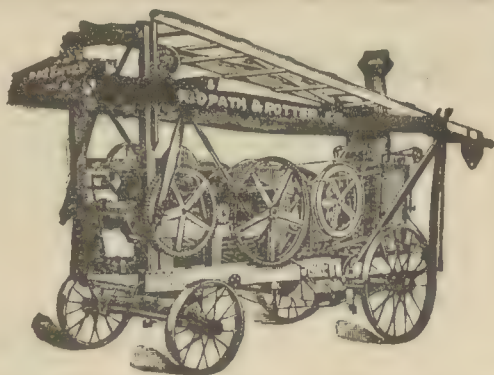
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Building, Philadelphia. Owner, Alexander Sellers, Media, Pa. Stable, stone, 1 story, 86x33 feet; cottage, stone, 2 stories, 38x18 feet, shingle roofs, vapor heating, ventilator. Architects taking bids, due June 10th. The following are figuring: Graham-Campion Co., Heed Building; James B. Flounders, 1329 Arch street; R. C. Ballinger & Co., 218 North Thirteenth street; J. W. Worrilow, Media, Pa.; Clarence Baker,



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Glen Mills, Pa.; Edward Tierney, Ardmore, Pa.

School (add.), Collingdale, Pa. Architect, Wesley Leshner Blithe, 608 Chestnut street, Philadelphia. Owner, School Board, Walter H. Milburn, Secretary, Collingdale, Pa. Brick and terra cotta, 2 stories, 50x90 feet, slag and tin roof, maple floors (roof ventilators, heating, plumbing and lighting, separate bids). Owners taking bids, due June 19th. P. J. Hurley, 1233 Cherry street, Philadelphia, is figuring.

School, Yardley, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Board of Education, E. E. Yeager, Secretary, Yardley, Pa. Brick, 1 story, 148x110 feet, asphalt shingle roof (plumbing, warm air heating and electric work, separate bids). Owners taking bids, due June 16th. The following are figuring: E. J. Kreitzburg, 1345 Arch street, and P. J. Hurley, 1233 Cherry street, Philadelphia.

Residence (alt. and add.), Narberth, Pa. Architect, Wesley Leshner Blithe, 608 Chestnut street, Philadelphia. Owner, John B. Williams, care of Curtis Publishing Co., Sixth and Walnut streets, Philadelphia. Stone and frame, 2½ stories, shingle roof, steam heating, electric lighting, hardwood floors, tile work. Architect taking bids, due June 19th. The following are figuring: E. J. Heddon, Finance Building, Philadelphia; William D. Smedley, Narberth, Pa.; Charles C. Pace, Merion, Pa.

Residence, Media, Pa. Architect, Lewis Easby, Media, Pa. Owner, George Reese, Media, Pa. Brick, 2 stories, 42x18 feet, slag and tin roof (heating, reserved). Architect has received bids.

Residence, Narberth, Pa. Architects, Shoen & Gill, 450 North Wilton street, Philadelphia. Owner, W. J. McLoughlin, care of architects. Hollow tile and plaster, 2½ stories, 23x40 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architects will take bids in one week.

Gardener's Cottage and Greenhouse, St. David's, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, Charles S. Walton, St. David's, Pa. Brick and stone, 2 stories, 75x58 feet, slag and tile roof, hot water heating, electric lighting, tile work. Architect taking bids, due June 12th. The following are figuring: Monaghan & Losse, 3216 Chestnut street; J. D. Lengel, Wayne, Pa.; William D. Smedley, Narberth, Pa., and Frank H. Mahan, Ardmore, Pa.

Lodge Building and Apartments, Easton, Pa. Architect, J. J. Weitzenfeld, Easton, Pa. Owner, P. O. S. of A., Washington Camp, No. 542, Easton, Pa. Brick, 4 stories, 130x40 feet, asphalt or slag roof, maple and pine floors, ornamental iron work, tile work, electric elevator (heating and electric work, separate bids). Architect taking bids, due June 24th. Bailey-Lush Co., 201 North Broad street, Philadelphia, are figuring.

Association Building, South Washington street, Wilkes-Barre, Pa. Architects, Knapp & Bosworth, Wilkes-Barre, Pa. Owners, Y. M. H. A., Wilkes-Barre, Pa. Brick, terra cotta and steel, 3½ stories, 45x140 feet, slag and tile roof, steam heating, electric lighting, tile and hardwood floors, waterproofing, dumb-waiter, gymnasium, shower baths, metal lockers, reinforced concrete floors. Plans in progress.

High School (alt.), Foster Township, Pa. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owner, Foster Township School District, Pa. Interior alterations. Plans in progress.

School, Laksville, Pa. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owner, School District of Laksville, Pa. Frame, 1 story, 50x44 feet, slag roof, steam heating, electric lighting. Plans in progress.

Printing Plant (add.), Scranton, Pa., \$20,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owner, name withheld. Brick and steel, 4 stories,

50x75 feet, reinforced concrete and slag roof, steam heating, electric lighting, reinforced concrete floors. Architects taking bids, due June 20th. The following are figuring: Sykes & Son, William Perry, Parson Construction Co., and M. Deubler & Co., all of Scranton, Pa.

Warehouse, Pittston avenue and Williams street, Scranton, Pa. Architect, F. J. Miller, People's Bank Building, Scranton, Pa. Owner, A. F. Westfahl, Pittston, Pa. Brick and steel, 2½ stories, 38x40 feet, slag roof, steam heating, electric lighting, steel ceilings, elevator. Architect taking bids, due June 26th.

High School, Pleasant Mount, Pa., \$15,000. Architect, Percival J. Morris, Burr Building, Scranton, Pa. Owner, Mt. Pleasant Township, Pa. Brick, 1 story, 107x72 feet, slag roof, steam heating. Ready for bids.

Hospital (add.) and Laundry, Wilkes-Barre, Pa. \$20,000. Architect, George S. Welsh, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Wyoming Valley Homeopathic Hospital, Wilkes-Barre, Pa. Brick and steel, 1 and 3 stories. Plans in progress.

Church, Plymouth, Pa., \$18,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Welsh Congregational Church, Rev. Boaz, Plymouth, Pa. Brick, stucco and shingle, 1½ stories, 40x100 feet, slate roof, steam heating, electric lighting, composition flooring, metal lath, dampproofing. Architect taking bids, due June 30th.

Business Building (alts.), Chester, Pa. Architects, Golden & Greenstein, Cambridge Building, Chester, Pa. Owner, William B. Northam, 140 East Seventh street, Chester, Pa. Brick, 2 stories, slag and tin roof, electric lighting, fireproofing (heating, reserved). Architects taking bids due June 14th. I. T. Shoemaker, 1324 Walnut street, Philadelphia, is figuring.

Residence and Garage, Ardmore, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, E. S. Rogers, Ardmore, Pa. Stone, hollow tile and plaster, 2½ stories, 40x35 feet, shingle or tile roof, vapor heating, electric lighting, hardwood floors, tile work. Architect taking bids, due June 15th. The following are figuring: E. J. Hedden, Finance Building; Ketcham & McQuade, 1029 Brown street; Milton W. Young, Overbrook, Philadelphia; J. D. Lengel, Wayne, Pa.; Charles C. Pace, Merion, Pa.; Frank H. Mahan, Ardmore, Pa.

Synagogue, Luzerne, Pa., \$9,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Ahawif-Achin Congregation, Max Freedman, Kingston, Pa. Frame, 2 stories, 28x52 feet, shingle roof, steam heating, electric lighting. Architect has received bids.

High School, Parsons, Pa. Architect, Owen McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owner, School District of Parsons, Parsons, Pa. Brick, 2 stories, 105x88 feet, slag roof, steam heating, electric lighting. Owners taking bids, due June 19th.

Garage, Wilkes-Barre, Pa. Architects, Knapp & Bosworth, 15 South Franklin street, Wilkes-Barre. Owner, Henry Shapiro, Wilkes-

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Barre, Pa. Brick, 1 story, 24x20 feet, slag roof, hot water heating, electric lighting, cement floors, waterproofing. Revised plans in progress.

School (alt.), Court Lane, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Pittston Township School District, Court Lane, Pa. Consists of general alterations. Plans in progress.

School (alts.), Dupont, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Pittston Township School District, Pittston, Pa. General alterations. Plans in progress.

Business Building and Apartments (alts.), Ashley, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, E. Glynn, Ashley, Pa. Frame, 3 stories, slag roof, consists of four new store fronts, etc. Architect taking bids, due June 14th. The following are figuring: John Reiley, Henry Mellon, and J. Boarings, all of Wilkes-Barre, Pa.

School (alt. and add.), Laurel Run, Pa. Architects, Newberry & Foster, Wilkes-Barre, Pa. Owners, School District of Laurel Run, Joseph Franks. Frame 2 stories, 22x50 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence (alt. and add.), Wilkes-Barre, Pa., \$8,000. Architects, Newberry & Foster, Wilkes-Barre, Pa. Owner, Miss Jessie Lentz, South Franklin street, Wilkes-Barre, Pa. Hollow tile and stucco, 2 stories, 34x36 feet, slag roof, steam heating, electric lighting, hardwood floors, waterproofing. Architect taking bids, due June 21st.

Store and Apartment, Pittston, Pa., \$7,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, John H. Mullen, Pittston, Pa. Brick, 3 stories, 32x48 feet, slag roof, steam heating, electric lighting. Architect taking bids, due June 22nd.

Store and Apartment, Main and High sts., Taylor, Pa., \$8,000. Architect, J. B. Thomson, Connell Building, Scranton, Pa. Owner, Chas. C. Kellerman, Scranton, Pa. Frame and stucco, 2 stories, 38x68 feet, slag roof, steam heating, electric lighting, maple floors, metal lath, dampproofing. Architect taking bids, due June 15th. The following are figuring: Taylor Duryea Lumber Co., J. W. Conner, Roberts Lumber Co., B. M. Traugher, William Finney & Belke, all of Scranton, Pa.

Church, Sunday School and Parsonage, Hazleton, Pa., \$40,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, St. John's Primitive M. E. Church, Hazleton, Pa. Brick, 1, 2 and 3 stories, slate roof, steam heating, electric lighting. Plans in progress.

Sunday School, Easton, Pa. Architect, Geo.

E. Savage, Witherspoon Building, Philadelphia. Owners, First M. E. Church, Easton, Pa. Brick, 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Residence, Nanticoke, Pa., \$15,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Rev. J. V. Moylan, Nanticoke, Pa. Brick veneer and frame, 2½ stories, 40x54 feet, asbestos roof, vapor heating, electric lighting, tile and hardwood floors. Architect taking bids, due June 30th.

Hose House, Winton, Pa., \$5,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Borough of Winton, Winton, Pa. Frame and stucco, 2 stories, 34x40 feet, slag and shingle roof, steam heating, electric lighting. Plans about completed. Ready for bids in about two weeks.

Residence, Scranton, Pa., \$6,500. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owner, Peter C. Penser, Scranton, Pa. Frame and stucco, 2½ stories, 34x41 feet, asbestos roofing, steam heating, electric lighting, hardwood floors, waterproofing. Owner taking bids, due June 19th. J. W. Cammer, Dean & Son, both of Scranton, are figuring.

Bungalow, Pittston, Pa., \$5,600. Architect, J. B. Thomson, Connell Building, Scranton, Pa. Owner, J. B. Carpenter, Pittston, Pa. Frame, 1½ stories, 34x60 feet, shingle roof, vapor heating, electric lighting, hardwood floors, waterproofing. Plans in progress.

Ward Buildings (2), South Mountain, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, the Asylum for Chronic Insane, care of Dr. S. S. Hill, South Mountain, Pa., P. O. Wernersville, Pa. Brick, stone, terra cotta and reinforced concrete, fireproof, 2 stories, 396x87 feet, slate roofs, metal lath, waterproofing, composition floors, ventilators, hollow metal doors, asphalt floors, safety treads (heating, plumbing and electric work separate bids). Owners taking bids. Henry L. Brown, 1714 Sansom street, and Warren, Moore Co., Commercial Trust Building, Philadelphia, are figuring.

Residences (50), Bethlehem, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John H. West, Hale Building, Philadelphia. Hollow tile and plaster, 2 stories, 16x42 feet each, slag roofs. Plans completed. Owner will sub-let all contracts.

Post Office, Pottstown, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Limestone, granite, brick and steel, 2 stories, 101x60 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath, kalamein doors, roof ventilators. Owners taking bids, due June 26th. In addition to those

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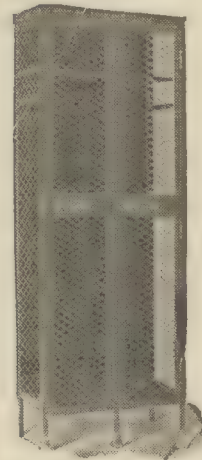
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previously reported, Frank G. Stewart, Inc., 1619 Sansom street, Philadelphia, is figuring.

Church and Sunday School, Lansdale, Pa., \$45,000. Architect, George E. Savage, Wither-spoon Building, Philadelphia. Owners, Lansdale M. E. Church, Lansdale, Pa. Stone, 1 and 2 stories, slate roofs, steam heating, electric lighting. Plans in progress.

Warehouse, corner Dewberry and Strawberry streets, Harrisburg, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Dives, Pomeroy & Stewart, Harrisburg, Pa. Reinforced concrete, brick and steel, 5 stories, 53x111 feet, composition roof,

steam heating, electric lighting, reinforced concrete floors, metal sash and doors, damp-proofing, elevator, sprinkler system. Architect taking bids, due June 23rd at 3 P. M. Bailey Lush Co., 201 North Broad street, are figuring.

Residence and Garage, Williamsport, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, J. H. Weaver, Williamsport, Pa. Consists of general interior and exterior alterations. Architect taking bids, due June 19th. The following are figuring: Samuel Larrabee, A. C. Everhard, and J. V. Bennett & Son, all of Williamsport, Pa.

PENNSYLVANIA

Contracts Awarded

Residence (alt. and add.), Trooper, Pa. Architects, Savery & Scheetz, St. Girard Bldg., Philadelphia. Owner, Clayton L. Brown, Norristown, Pa. Frame, 2½ stories, shingle roof, hot water heating, electric lighting. Contract awarded to Geo. L. Croll, Rosemont, Pa.

Residence, Wynnefield, Pa. \$15,000. Architect, P. J. Klinges, 1012 Walnut street, Philadelphia. Owner, A. C. Schwoerer, care of architect. Stone, 2½ stories, slate roof, hardwood floors (heating, electrical work, plumbing and tile work, reserved). Contract awarded to H. C. Dahl, 231 S. 8th street, Philadelphia.

Residence (alts.), Merion, Pa. Architects, Druckenmiller & Williams, Land Title Bldg., Philadelphia. Owner, A. M. Lewis, Merion, Pa. Stone, 2½ stories, tin roof, electric lighting, hot water heating, hardwood floors, tile work. Contract awarded to E. J. Hedden, Finance Bldg., Philadelphia.

School, Forty-Fort, Pa., \$35,000. Architect, Newberry Foster, Wilkes-Barre, Pa. Owner, Board of Education, Charles P. Crosby, Secretary. Brick, steel, hollow tile and reinforced concrete, terra cotta trimmings, 2½ stories, 68x79 feet, slag roof, blower system of heating, electric lighting, reinforced concrete floors, iron stairs, dampproofing, metal lath, ventilators, Safety treads. Contract awarded to Herman Mailander, Wilkes-Barre, Pa.

School (add.), Dorranceton Borough, Pa., \$16,000. Architect, J. S. Pettebone, Wilkes-Barre, Pa. Owner, School District, W. G. Shortz, Dorranceton, Pa. Brick, 2 stories, 34x50 feet, slate roof, hot air heating, electric lighting. Contract awarded to W. D. Richards, Wilkes-Barre, Pa.

High School (add.), Luzerne, Pa., \$35,000. Architect, J. S. Pettebone, Wilkes-Barre, Pa. Owner, School District, T. B. Wolk, Luzerne Borough, Pa. Brick, 2 stories, 70x110 feet, slate roof, hot air heating, electric lighting. Contract awarded to M. L. Roth, Wilkes-Barre.

Knitting Mills (add.), Pittston, Pa., \$16,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Alpine Knitting Mills, John H. Foy, Pittston, Pa. Brick and steel, 3 stories, 50x82 feet, slag roof, steam heating, electric lighting, metal sash, kalamein doors, fire tower. Contract awarded to Eckenrode Bros., Wilkes-Barre, Pa.

Apartment House, Scranton, Pa., \$13,000. Architect, J. J. Feeney, Coal Exchange Building, Scranton, Pa. Owner, Mrs. Thomas Jordan, 1602 Capouse avenue, Scranton, Pa. Frame and stucco, 3 stories, 35x65 feet, slag roof, steam heating, electric lighting, waterproofing. Contract awarded to Stender Bros., Scranton, Pa.

Store and Apartments, Forest City, Pa.

Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Timothy Killacullen, Forest City, Pa. Frame, 2½ stories, 25x55 feet, slag roof, hot water heating, electric lighting. Contract awarded to Forest City Lumber Co., Forest City, Pa.

Church, Fifth avenue and Broadway, Scranton, Pa. Architects, Hancock & Koch, Coal Exchange, Scranton, Pa. Owners, Holy Cross Church, care of architects. Fisk tapestry brick, stone and steel, 1½ stories, 136x42 feet, art marble, slate roof, steam heating, electric lighting, tile, hardwood and reinforced concrete floors, two towers, 100 feet high. Contract awarded to Henry Deilman & Son, Scranton, Pa.

Twin Residence, North Main avenue, Scranton, Pa. Architect, F. J. Miller, People's Bank Building, Scranton, Pa. Owner, R. C. Schields, North Bromley avenue, Scranton, Pa. Frame, 2½ stories, 36x48 feet, slate roof, steam heating, electric lighting. Contract awarded to Hower & Stender, Scranton, Pa.

Store Building, 103-05 South Main street, Wilkes-Barre, Pa., \$40,000. Architects, Knapp & Bosworth, Wilkes-Barre, Pa. Owner, William P. Wood, Trenton, N. J. Brick, concrete and steel, 3 stories, 40x209 feet, slag roof, electric lighting, metal lath, elevators, metal ceilings, kalamein doors. Contract awarded to Walborn & Barney, Wilkes-Barre, Pa.

Residence, 800 Taylor avenue, Scranton, Pa., \$10,000. Architect, Louis Reisman, Dime Bank Building, Scranton, Pa. Owner, Henry Brown, Scranton, Pa. Frame and stucco, 2½ stories, 28x44 feet, tile roof, steam heating, electric lighting, tile and hardwood floors, waterproofing. Contract awarded to Hagen Lumber Co., Scanton, Pa.

Residence and Store, Wilkes-Barre, Pa., \$5,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Andrew Hudak, Wilkes-Barre, Pa. Brick, 2 stories, 20x60 feet, slag roof, steam heating, electric lighting. Contract awarded to Charles Nosttrum, Wilkes-Barre, Pa.

Apartment House, Wilkes-Barre, Pa., \$15,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, John Luksie, Wilkes-Barre, Pa. Brick, terra cotta and steel, 3 stories, 30x86 feet, slag roof, steam heating, electric lighting, iron stairways. Contract awarded to Eckenrode Bros., Wilkes-Barre, Pa.

New Jersey

Construction News

Cottages (2), Bordentown, N. J., \$5,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, State Industrial

School, Bordentown, N. J. Frame, 2½ stories, 30x19 feet, shingle roof, steam heating, electric lighting. Plans about completed. Owners will be ready for bids July 1.

Business School, Trenton, N. J. Architect, Walter Hankin, 28 Delaware View ave., Trenton, N. J. Owner, Rider, Moore & Stewart Schools of Business, 10 S. Broad street, Trenton, N. J. Brick, terra cotta & steel, 3 stories, 67x133 feet, steam heat, electric lighting. Architect is ready for bids.

Cow Barn Extension, Glen Gardner, N. J., \$5,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, Tubercular Hospital, Glen Gardner, N. J. Hollow tile, 1 story, 31x36 feet, slag roof, electric lighting. Plans in progress.

Milk House, Glen Gardner, N. J., \$3,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, Tubercular Sanatorium, Glen Gardner, N. J. Hollow tile, 1 story, 27x17 feet, slag roof, electric lighting, concrete floors. Plans in progress.

Residence, Burlington, N. J., \$5,000. Architect, H. A. Brown, Burlington, N. J. Owner, C. J. Ahlee, Burlington, N. J. Frame, 2½ stories, 36x28 feet, shingle roof, hot water heating, electric lighting, tile floors. Plans in progress.

Restoring Barracks, Trenton, N. J., \$15,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, State House Commission, Trenton, N. J. Brick and stone, 2 stories. Owners have received bids.

Store and Apartment, Trenton, N. J. Architect, W. W. Slack & Son, American Mechanics Bldg., Trenton, N. J. Owner, Harry Vine, 324 Calhoun street, Trenton, N. J. Brick, 3 stories, slag roof, steam heating, electric lighting. Architect has received bids.

Garage, Montgomery street, Trenton, N. J., \$14,000. Architect, J. Osborne Hunt, 114 N. Montgomery street, Trenton, N. J. Owner, Steel & Skirm, Trenton, N. J. Brick and steel, 1 story, 150x85 feet, slag roof, steam heating, electric lighting, concrete floors. Architects have received bids.

Factory (add.), River and State Sts., Camden, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, B. F. Boyer Co., on premises. Brick, 1 story, asphalt felt roof, metal sash, fire doors. Architects taking bids due June 12. In addition to those previously reported, Pomeroy Const. Co., 1609 Ranstead street; Ketcham & McQuade, 1029 Brown street; H. E. Baton, 12th and Sansom streets; Philip Haibach Contracting Co., 26th and Thompson streets, and F. B. Davis, 240 N. 16th street, Philadelphia.

Residence, Haddonfield, N. J. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, Miss Anna R. Kay, Haddonfield, N. J. Hollow tile and stucco, 2½ stories, 47x37, slate roof, electric lighting, pine floors, tile work (heating and electric work, reserved). Architect taking bids due June 15. The following are figuring: Henry L. Brown, 1714 Sansom street; H. E. Grau Co., 1707 Sansom street; R. C. Ballinger & Co., 218 N. 13th street, Philadelphia; Martin T. James, Merchantville, N. J.; J. S. Rogers Co., Moorestown, N. J., and Percy Blackwood, N. J.

School Building, Newfield, N. J., \$30,000. Architects, E. F. Durang & Son, 10 S. 12th street, Philadelphia. Owner, Board of Education, Newfield, N. J. Donor, A. A. Hirst, 1200 Chestnut street, Philadelphia. Brick, stone trimmings, 75x80 feet, slag roof, steam heating, electric lighting, slate blackboards. Architects taking bids due June 15 at noon. The following are figuring: John McShain, 1610 North street; Wm. J. McShane, 417 S. 13th street; Wm. R.

Dougherty, 1610 Sansom street; Jacob Myers & Sons Co., Witherspoon Bldg.; Melody & Keating, Bailey Bldg.; Conneen Construction Co., Commercial Trust Bldg., Chas. McCaul Co.

Residence, Merchantville, N. J., \$6,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Luke Lambert, Merchantville, N. J. Frame and stucco, 2½ stories, 31x45 feet, shingle roof, hot water heating, combination lighting, hardwood floors. Architect taking bids, due June 15th. The following are figuring: Frederick Lange, Audubon, N. J.; Frederick Fries & Son, Haddon Heights, N. J.; Frank Turner, Camden, N. J.; Wm. Conger & Son, Haddon Heights, N. J.; Martin James, Merchantville, N. J.; James W. raper, Camden, N. J.

NEW JERSEY

Contracts Awarded

Warehouse, Trenton, N. J. \$5,000. Architect, J. Osborne Hunt, 114 N. Montgomery street, Trenton, N. J. Owner Harry Entin, Trenton, N. J. Brick, 2 stories, 20x65 feet, slag roof. Contract awarded to H. & M. Levy, Trenton, N. J.

Fire House (Add.), Morris Plains, N. J. \$10,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, State Hospital for Insane, Morris Plains, N. J. Brick & stucco, 2 stories, 42x34 feet, slate roof, steam heating, electric lighting, reinforced concrete floors, waterproofing and damp-proofing. Contract awarded to J. J. Lyons, Morristown, N. J.

Cottage, Stone Harbor, N. J. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Mrs. O. Brook, Stone Harbor, N. J. Frame and stucco, 2 stories,

Church and Sunday School, Trenton, N. J., \$50,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, St. Paul's M. E. Church, Trenton, N. J. Stone, 1 and 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Church, Camden, N. J., \$50,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Parkside M. E. Church, Camden, N. J. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

Church, Atlantic City, N. J., \$50,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Central M. E. Church, Atlantic City, N. J. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress.

13x33 feet, shingle roof. Contract awarded to Larson Cont. Co., Stone Harbor, N. J.

Bank House, Pennsgrove, N. J., \$9,362. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, People's Bank of Pennsgrove, Pennsgrove, N. J. Stone, 2 stories, slag roof, hot water heating, combination lighting, tile and hardwood floors, metal lath, damp-proofing. Contract awarded to Jos. E. Peterson, Clayton, N. J.

Business Block, Pennsgrove, N. J., \$9,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, L. W. Cook, Pennsgrove, N. J. Hollow tile and stucco, 2 stories, 60x40 feet, slag roof, hot water heating, combination lighting, hardwood floors, waterproofing and damp-proofing. Contract awarded to Joseph E. Peterson, Clayton, N. J.

Miscellaneous Construction News

Residence and Garage, Wilmington, Del. Architect, Charles Barton Keen, Bailey Bldg., Philadelphia. Owner, Arthur W. Spruance, Dupont Bldg., Wilmington, Del. Brick, 2½ stories, 50x50 feet, slate roof, hardwood floors (plumbing, heating, electric work, tile work, composition floors, separate bids). Architect taking bids due June 19. The following are figuring: Thos. H. Seeds, Jr., Co., 1207 Race street; Samuel Harting, 20 E. Johnson street; Milton W. Young, Overbrook, Philadelphia, and W. D. Haddock & Co.; W. Howard May, Edward Johnson & Son, all of Wilmington, Del.

Silf Mfg. Plant, Roanoke, Va. Architects, Ballinger & Perrot, 17th and Arch streets, Philadelphia. Owner, The Viscose Co., Marcus Hook, Pa. Consists of a group of buildings, reinforced concrete and brick, 1, 3 and 5 stories, 103x70 feet, 287x143 feet, 147x77 feet, and 535x140 feet, white plastic tile, slag and asphalt roofs, asphalt floors, steel sash, fire doors, roof ventilators, kalamein doors, iron stairs, safety treads, waterproofing and damp-proofing, metal lath, elevators (heating and electric work, reserved). Architects taking bids due June 21. The following are figuring: Irwin & Leighton, 126 N. 12th street, Philadelphia; Wm. Provost, Jr., Chester, Pa.; E. M. Herringdon, Roanoke, Va.; Barbour & Sons, Roanoke, Va.; J. P. Pettyjohn & Co., Lynch-

burg, Va.; C. W. Hancock & Son, Lynchburg, Va.

Garage, Laundry and Cottage, Wilmington, Del. Architect, Robeson Lea Perot, 34 S. 17th street, Philadelphia. Owner, Eugene duPont, Wilmington, Del. Brick, plaster and hollow tile, 2 stories, 33x57 feet, and 33x64 feet, tile roofs, yellow pine floors, tile work (heating, plumbing, electric work and gasoline storage system, separate bids). Architect taking revised bids due June 14. The following are figuring: Pomeroy Construction Co., 1609 Ranstead street, Philadelphia, and W. D. Haddock & Co., 804 Orange street, and A. S. Reed & Bro., 815 Shipley street, Wilmington, Del.

Apartment House, Wilmington, Del. \$23,000. Architect, W. E. Hance, 204 W. 24th street, Wilmington, Del. Owner, Max Bruer, Wilmington, Del. Brick, 4 stories, 75x65 feet, slag roof, steam heating, electric lighting. Plans in progress.

Garage and Warehouse, 726 to 730 Broadway, New York City. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owner, John Wanamaker, 13th and Market Streets, Philadelphia. Reinforced concrete, terra cotta and granite, 7 stories, 275x136 feet, tile roof, steam heating, electric lighting, metal lath, waterproofing and damp-proofing, mosaic floors, roof ventilators, (9) elevators, sprinkler system. Builders, Wm. Steele & Sons Co.,

1600 Arch street, Philadelphia, taking sub-bids, due June 19.

Miscellaneous Contracts Awarded

Store (alt.), 5th and Market streets, Wilmington, Del. Architect, E. L. Rico, Jr., & Co., 815 Market street, Wilmington, Del. Owner, Samuel H. Baynard, 309 W. 18th street, Wilmington, Del. Extensive interior alterations. Contract awarded to Geo. S. McKee, Wilmington, Del.

School, Camden-Wyoming, Del. \$24,000. Architect, W. E. Hance, 204 W. 24th street, Wilmington, Del. Owner, Board of Education, care of D. T. Brown, Equitable Bldg., Wilmington, Del. Brick, 2½ stories, 88x88 feet, slag roof, steam heating, electric lighting. Contract awarded to James A. Hirons, Dover, Del.

Offices (alt. and add.), 914 Orange street, Wilmington, Del. Owner, Roscoe C. Tindall, Equitable Bldg., Wilmington, Del. Architect, Roscoe C. Tindall, Equitable Bldg., Wilmington, Del. Brick, 3 stories, 16x70 feet, tile roof, steam heating, electric lighting, hardwood floors, waterproofing. Contract awarded to Chas. H. Tindall & Sons, 614 Tatnall street, Wilmington, Del.

Apartment & Stores, Wilmington, Del. \$30,000. Architect, Roscoe C. Tindall, Equitable Bldg., Wilmington, Del. Owner, name withheld. Brick, terra cotta and steel, 4 stories, 30x70, slag roof, steam heating, electric lighting, tile and hardwood floors, waterproofing. Contract awarded to Chas. H. Tindall & Son, Wilmington, Del.

Residence (alt. and add.) & Garage, Wilmington, Del. \$20,000. Architects, De Armond, Ashmead & Bickley, 1529 Walnut street, Philadelphia. Owner, H. G. Haskell, 900 Broome street, Wilmington. Brick and plaster, 2½ stories, wing, 20x30 feet, garage, 40x40 feet, shingle roof, vapor and hot water heat, electric lighting. Contract awarded to Eugene Tourison, 1001 Chestnut street, Philadelphia.

Residence, Stable and Garage, Brookville, L. I. \$60,000. Architect, Horace Trumbauer, Land Title Bldg., Philadelphia. Owner, David Dows, 120 Broadway, New York City. Brick, concrete floors, 3 stories, 94x63 feet, shingle tile roof, steam heating, oak floors, tile and marble work (electric lighting, dumb-waiters, clothes dryers, reserved). Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Maryland Construction News

Administration Building, Chestertown, Md., \$80,000. Architect, private plans. Owner, Washington College, care of Dr. James W. Cain, President, Chestertown, Md. Brick, 3 stories. Builder, John T. Bramble, No. 2 East Lexington street, Baltimore, will take sub-bids in about three weeks.

Apartment House, Lake Drive, Baltimore, Md. Architect, E. H. Glidden, Garrett Building, Baltimore, Md. Owner, Joseph Castalberg, No. 322 West Baltimore street, Baltimore, Md. Brick, fireproof, 5 stories, 110x142 feet, slag roof, electric lighting, passenger elevator. Plans in progress.

Dwelling, Bishop Road, Guilford, Md., \$20,000. Architect, A. Lowther Forrest, (Continued on Page 402.)

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Editorial Comment

A casual reference, in a recent number of THE GUIDE, commenting upon the singularity of the action of the Philadelphia Art Alliance in going to Boston for an architect to design its new building on Rittenhouse Square, is answered in the course of an article dealing with the plans of the Alliance in a daily newspaper.

The plans, it now appears, were prepared by Cram & Ferguson, of Boston, and after a number of changes, the result of suggestions advanced by art organizations which will make use of the building, have finally been pronounced satisfactory.

"The awarding of the task of planning the Art Alliance Building to Cram & Ferguson, a Boston firm of architects, brings to light an interesting story," observes the writer of the newspaper article. "When those interested in the project of erecting a building for the Art Alliance decided that the auditorium should be Gothic in architecture, they placed the problem of selecting the proper architect in the hands of B. F. Medary, because he was at that time President of the Philadelphia Chapter of the American Institute of Architects. Mr. Medary appointed a committee to act with him, consisting of Frank Miles Day and Miss Violet Oakley.

"This committee was merely instructed that the style of architecture of the building was to be Gothic, and the best possible work was to be secured. The members of the Architects' Committee voted as a unit for Cram & Ferguson, stating that Mr. Cram's pre-eminence in the type of architecture desired rendered any other choice impossible."

* * *

In the wisdom of the decision THE GUIDE most cheerfully acquiesces. There can be, we imagine, no two opinions as to the eminence of Mr. Cram in the Gothic type, and as the committee was advised that the building was to be Gothic, and the best possible work secured, Messrs. Medary and Day and Miss Oakley could perhaps have done nothing other than to recommend the foremost American expositor of that type.

And yet, conceding all this, THE GUIDE finds itself unable to express other than regret that the preliminaries leading up to the selection of an architect to design a building,—which we take it, is intended to represent artistic Philadelphia at its best,—were not otherwise ordered; were not so ordered in fact as to emphasize Philadelphia's ability to provide such a building without going outside of its own generous boundaries to find the necessary talent.

We are still inclined to think, extending every deference due the admitted abilities of Mr. Cram, that the new building of the Philadelphia Art Alliance could have been designed here in Philadelphia without losing measur-

ably whether in artistic distinction or fidelity to type.

There is a suggestion of humiliation in the thought that artistic Philadelphia, united in a project of this kind, has not found it possible to secure that order of talent required within its own borders.

There is, at the same time, a most delightful and gratifying recognition involved of the spirit of *noblesse oblige*, as that spirit is interpreted by men of the highest artistic standing.

Mr. Day's explanation that, inasmuch as the type selected was Gothic with the stipulation that the work should be "of the best" there was no other course open to the committee but the designation of Mr. Cram, amounts to a pretty tribute to the Boston man's mastery of this order of design.

* * *

According to the plans, the architecture of the main auditorium is to be Gothic in character, of the old English type. The main building will be Elizabethan, with a gabled front opening off an open court, walled in on three sides by low-facaded outbuildings. These outbuildings will be in the form of a U, two stories in height. The base of the U, which will front on the street, will be occupied on the ground floor by two small shops, one on either side of the main entrance, while the arms of the U, which will abut on the main building, will be given over to shady cloisters, where chairs will be provided for lounging in pleasant weather. The entire second floor of the outbuilding surrounding the court will be given over to the Art Alliance restaurant quarters and galleries.

The main building will be seven stories in height, with a tall, gabled roof and a profusion of gothic ornamentation. The first, second and third floors will be occupied principally by the main auditorium, which has been designed especially with a view of securing the best possible acoustic properties, and will seat in the neighborhood of one thousand. Provisions have been made so that there will be an abundance of box accommodations, and unusual care has been exercised in designing the structure so that every seat will command a full view of the stage. Care has also been devoted to providing unusually commodious and comfortable dressing room accommodations for the actors who will appear upon the stage.

* * *

The fourth and fifth floors will accommodate a spacious ballroom, with an elevated stage and galleries, capable of being converted into an auditorium suitable for chamber music, and for many kinds of musical and artistic performance which cannot be rendered to advantage in a large auditorium, or one not suited to their particular necessities. According to local authorities, there is a particular need for such an auditorium in this city, be-

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cause many of the foremost artists in the sphere of chamber music cannot be brought here because it is impossible to secure satisfactory accommodations.

The sixth floor will be divided up into rehearsal rooms. The seventh floor will accommodate a large banquet hall, an art gallery with skylight capable of being turned into a roof-garden in summer, office rooms for the Alliance and other organizations using the building.

Copies of the plans were sent to the presidents of 41 art organizations which are co-operating in the establishment of the Alliance and whose members will be served by it when it is completed. The plans in their present form have already been inspected by many of the presidents of organizations to whom they are being sent and by the Art Alliance Committees. It is believed that they will prove in the main satisfactory to all. The present step is being taken, however, so that all may be afforded a final opportunity for criticism or approval.

* * *

Building took a big step forward last month, and the total value of the construction planned in that month, as reported to *Bradstreet's* from 132 cities, far exceeded any previous month in the country's history. Only one month of the past, April, 1912, showed a total above \$100,000,000, and the aggregate for May this year—\$107,831,013—dwarfs this, with some twenty-three more cities not yet reported. Additionally interesting, too, is the fact that the numbers of permits show large gains over the like month of last year, and only two groups fail to show a larger number of permits, while every one of them reports larger values than a year ago.

There are 28,544 permits recorded at 132 cities in May, an increase of 14.1 per cent., while the value of the building permitted for shows a gain of 36.6 per cent. Compared with the largest month's building ever heretofore recorded, there is an increase of nearly 5 per cent.

The percentage of increase in value over May a year ago is the heaviest recorded in any month this year, and eighty-seven out of 132 cities show gains in values as compared with the like month last year.

An additionally interesting feature is that the addition of the large May total to previous months' returns puts this year well up in the scale of building expenditure, with the probability that 1916, which so far shows a gain over last year of 22.3 per cent., may surpass all previous records for the full calendar year.

* * *

Most important cities show good gains for May. New York reports an increase of only 12.8 per cent., but Chicago gains 73 per cent., Philadelphia 67 per cent., Pittsburgh 19.5 per cent., Detroit 124 per cent., Indianapolis and Minneapolis 74 per cent. each, Hartford, 61.7 per cent., Los Angeles 18 per cent., San Fran-

cisco 72 per cent., Washington 31.4 per cent., Baltimore 76.8 per cent. and Kansas City 37 per cent. In the list of decreases, St. Louis with 7.3 per cent., Bridgeport with 50 per cent., Buffalo with 5.4 per cent., Newark, N. J., with 14 per cent., Cleveland with 47.8 per cent., and Milwaukee with 14.4 per cent. loss, are prominent. Duluth shows a very large gain owing to the filing of a blanket permit by large steel interests, which have established a new steel making centre there.

* * *

The preliminary examination for the John Stewardson memorial scholarship, held at the University of Pennsylvania to select five men and two alternates for the final competition, resulted in the following men being chosen: William Pope Barney and John F. Harbeson, both of the University of Pennsylvania, and E. F. Griffith, H. L. Rubin and R. S. Simpson, students of the Carnegie Institute of Technology. The two alternates were Brooks Lister and Lancelot W. Suckert, of the University of Pennsylvania.

The competition calls for a \$1000 prize, to be used by a traveling scholar in architecture, and is open to any person under 30 years of age who has been engaged in the practice of architecture in the State of Pennsylvania at least one year prior to the date of the examination.

This year's problem is most pretentious and calls for a military center. In outline the program states:

"The historic centers of Europe have for centuries fostered a spirit of patriotism and devotion to the fatherland by holding prominently before the eyes of the populace material evidence of the former valor of heroes whose deeds have reared the standard of national strength, fame and glory.

"In such a monument as the Invalides, at Paris, the purpose was manifest. Realizing this and believing that true preparedness can only come about through the growth in Americans of deep love for their country and pride in her greatness, a wealthy patriot has given the grounds and funds for a military center in the vicinity of one of our most important cities.

"The whole undertaking includes space for a summer drilling camp, but the subject of the present competitions comprise only the more permanent and monumental portion of the group."

The main divisions are as follows:

1. Administration.
2. Hall of Fame and Historical Military Museum.
3. Veterans' Home.
4. Park.

Detailed descriptions of the site and each of the buildings are included.

The preliminary sketches were exclusively the work of the authors, both as to design and drawing, and will be executed without assistance of any kind. In the development of the

design and the rendering of the final drawings the competitor may consult documents and receive criticism, but in the preparation of the drawings he is to have no assistance except of a mechanical nature.

Thirty men competed for the coveted prize throughout the State and the drawings were judged at the University of Pennsylvania by a jury composed of the following architects: George B. Bickley, Paul A. Davis, 3d, George Howe, W. Powell Robins and Edgar V. Seeler.

ARCHITECTURAL NOTES.

The Illinois Society of Architects has just undertaken another important standardization of building material and workmanship—namely, that of plastering and lathing—says the *American Contractor*, which adds:

"To that end it has invited the co-operation of the Plaster Contractors' Association, the Plaster Material Manufacturers, the Expanded Metal Lath League, the Gypsum Plaster Association, the Lime Manufacturers' Association, the wood lathing manufacturers and lathing contractors in preparing standardized specification of material and labor to be used by architects and to be known as Illinois Standard Specifications. The idea is to prepare specifications which will be sufficiently descriptive from a technical standpoint to guarantee the quality of workmanship and material without the use of trade names so as to make perfectly open specifications for all legitimate dealers and contractors in material and workmanship.

* * *

"The Illinois Society of Architects, it will be remembered, adopted a few weeks ago standard specifications for structural lumber. The present project is one of considerable more difficulty but of no less importance, and if it succeeds there are intimations that the work of standardization may be extended to various other kinds of material used in construction.

"There is much to be said for the proposition from the standpoint of the architect. The adoption of standard specifications would relieve him of considerable detail work and of the necessity of working out specifications over and over again for successive commissions. It would eliminate many controversies and insure to the owner a construction of standard quality.

"So far as expressions have been obtained from manufacturers of material, one of the great benefits that would result would be the elimination of sharp competition on the part

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of contractors, who might detect in a specification some incomplete definition which would permit them to substitute a cheaper material and one not contemplated. One of the difficulties that may be presented is the extent of the guarantee of the manufacturer, for the matter of workmanship is involved and it is results that the plan contemplates. And it is possible that in close cases the national bureau of standards may be called upon to establish precedents. But the prospective benefits are so great that the committee is beginning its undertaking with a great deal of enthusiasm.

* * *

"Speaking of these benefits, Emery Stanford Hall, who introduced the measure at the meeting of the Illinois Society of Architects, says:

"It is not always easy to clearly convey in written form the ideas in one man's mind to the minds of other men of wholly different ideals and experiences. The use of standard specifications would allow contractors and material men by experience to become familiar with the exact requirements of specifications and would therefore put them in a position to quickly and accurately rate costs on work submitted to them for estimates."

The world is just chock full of men who failed because they expected buyers to romp right in and ask for goods. Modern business spends big money simply to get the buyer interested knowing that sales follow.

MARYLAND CONSTRUCTION NEWS.

(Continued from Page 399.)

Law Building, Baltimore, Md. Owner, William Pepper Constable, 700 Maryland Trust Building, Baltimore, Md. Brick, 2½ stories, slate roof, hot water heating, electric lighting, tile work. Plans about completed. Architect ready for bids.

Warehouse, 12-14 North Paca street, Baltimore, Md. Architect, Walter M. Gieske & Frederick Thomas (associated), Gunther Building, Baltimore, Md. Owners, Rosenbloom & Levy, 716-18 West German street, Baltimore, Md. Brick, 5 stories, 40x150 feet, slag roof, electric lighting, freight elevator. Plans in progress.

Dwelling, Worthington Valley, Md., \$125,000. Architect, James R. Edmunds, 908 Munsey Building, Baltimore, Md. Owner, C. Wilbur Miller, Garrett Building, Baltimore, Md. Brick, concrete and stone trimmings, fireproof, 3 stories, slate roof, heating not decided, electric lighting, electric elevator, tile and marble floors, hard-

wood floors, refrigeration plant and power plant. Builders, Glatfelder & Chambers, 729 Roland avenue, Baltimore, Md., are taking sub-bids on all lines.

Mortuary Chapel, Most Holy Redeemer Cemetery, Baltimore, Md. Architect, Francis E. Tormey, Gunther Building, Baltimore, Md. Granite, 31x51 feet, slate and copper roof, reinforced concrete floors, marble floors, brick work, waterproofing. Architects taking bids, due June 15th. The following are figuring: Gowan Building Co., 106 West Madison street; James J. O'Connor, 427 East Lexington street; Monmonier & Sorrell, 1711 McCulloh street; Joseph Schamberger, 2122 East Baltimore street; Lorenz Schoenlein & Son, 306 St. Paul street.

Apartment House, Washington street, Hagerstown, Md., \$30,000. Architect, private plans. Owner, J. V. Jamison, Hagerstown, Md. Brick, 3 stories, steam heating, electric lighting. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

L. A. Belmont (O), 1021 Vine street. Cramp & Co. (C), 801 Denckla Bldg. Cost, \$185,000. First class reinforced concrete building, 108x90 ft., 9 stories, slag roof, N. E. Cor. 13th and Spring streets.

Arch. Prendergast (O), 18th and Race streets. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$65,000. Convent, concrete, 3 stories, 48x120 ft., steam heating, 38th and Spring Garden streets.

A. A. Frankel (O), Front and Dauphin streets. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$35,000. Three stories, stone building, 45x80 ft., slag roof, steam heating, Front and Dauphin streets.

J. J. Hefferman (O and C), 8513 Frankford avenue. Cost, \$2,700. Frame dwelling, (1) 14x51 ft., asbestos shingles, hot water heating, 3 stories, 7913 Craig street.

Craig N. Liggett (O), 57th and Washington avenue. Cost, \$50,000. Stone and concrete church, 80x57 ft., slate roof, 2 stories, N. W. Cor. 57th and Washington avenue.

Penna. R. R. Co. (O), Broad St. Station. Turner Concrete Steel Co. (C), 1713 Sansom street. Cost, \$304,265. Brick, 468x60 feet, 5 stories, felt and slag roof, steam heating, Front and Washington avenue.

Walter Rowland (O and C), Dexter and Lyceum streets. Cost, \$4,600. Brick dwellings (2) 16x34 feet, tin roof, 2 stories, hot water heating, 4301 and 4303 Mitchell street.

Board of Public Education (O), Phila. H. L. Brown (C), 1714 Sansom street. Cost, \$50,000. School, concrete and brick, 63x69 feet, 3 story, slag roof, steam heating 27th and Clearfield streets.

Ahasive Material Co. (O), James and Froley streets. James N. Wells (C), Heed Bldg. Cost, \$30,000. Concrete building, 3 story, 22x63 ft., slag roof, James and Froley streets.

Monarch Realty Co. (O), Widener Building. Warren Moore & Co. (C), Com-

mercial Trust Building. Cost, \$50,000. First class concrete building, 5 story, slag roof, as plans, S. E. Cor. Seventeenth and Arch streets.

Geo. Miller (O), 1306 Chestnut street. Warren Moore & Co. (C), 520 Commercial Trust Building. Cost, \$50,000. Two story concrete building, as plans, southeast corner Broad and Brown streets.

Chas. K. Rightly (O and C), 7036 Woodland street. Cost, \$25,200. Brick dwellings (9), 15x50 feet, 2 story, slag roof, Sixty-fifth and Upland streets.

Ernest Kubes (O and C), 1546 Cottman street. Cost, \$1,000. Frame dwelling, 16x31 feet, 2 stories. Asphalt felt roof, Dorcas street and Shelmire avenue.

W. E. Strock (O and C), Fox Chase. Cost, \$3,600. Brick dwellings (2), 16x37 feet, 2 stories, slag roof, hot water heating, D and Arthur streets.

M. W. Dougherty (O and C), 4930 Worthington avenue. Brick dwellings (110), \$179,200, steam heating, felt and slag roof, 2 stories. (28) 14x38 feet, Schiller and I streets. (1) 16x38 feet, Schiller and I streets. (1) 16x40 feet, Schiller and I streets. (1) 14x38 feet, Schiller and I streets. (1) 16x40 feet, I and Russell streets. (22) 14x38 feet, I and Russell streets. (28) 14x38 feet, I and Russell streets. (28) 14x38 feet, I and Russell streets.

Benj. Fox (O), 4910 North Broad street. Alex. Lamb (C), 4702 North Carlisle street. Brick dwellings (4). Cost, \$24,500. Steam heating, slag roof, 3 stories. (2) 18x65 feet, Broad and Loudon streets. ((2) 18x57 feet, Yord road and Loudon street.

John Delwig (O and C), 1546 Cottman street. Cost, \$1,800. Brick dwelling, slag roof hot water heating, 2 stories, 16x35 feet, Dorcas and Shelmire streets.

Manufacturers' Real Estate Co. (O), Twenty-second and Market streets. Cost,

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\$12,000. Concrete building, 2 stories, 22x125 feet, slag roof, steam heating, 2120 Market street.

Dr. Harry A. Duncan (O), 2721 W. Lehigh avenue. Frederick G. Storck (C), 3519 North Thirteenth street. Cost, \$9,000. Brick dwellings, 28x47 feet, 2 stories, slate roof, hot water heating, Somerset and Bailey streets.

St. Michael's Church (O), 222 East High street. Chas. J. Appleton (C), 213 Heed

Building. Cost, \$19,000. Stone, 42x103 feet, parish house, slate roof, 3 stories, 223 Mechanic street.

Penn. Realty & Const. Co. (O and C), Ogontz above Cheltenham avenue. Cost, \$50,000. Tile and slag roof, hot water heating, (20) dwellings, brick. (11) 18x37 feet, Sixty-fourth avenue and Ogontz avenue. (9) 18x37 feet, 64th avenue and Ogontz avenue.

Alterations and Additions

R. Scheonbeak (O), 2311 Brown street. Bush Hill Const. Co. (C), 1510 Melon street. Cost, \$1,100. Dwelling and stores, brick, make store 15x33 feet larger and general alterations, 2222 Brown street.

James Kane (O), 2951 E street. Charles Schoppe (C), 1850 East Orleans street. Cost, \$3,700. Garage, brick, 34x97 feet, 1 story, slag roof, 2942-44 E street.

Knights of Pphtias (O), Nineteenth and Addison streets. J. T. Trent (C), 2041 Master street. Cost, \$800. Garage, brick, 26x40 feet, 1 story, slag roof, Nineteenth and Addison streets.

Joseph Rommanelli (O), 820 South Ninth street. Virgilio Cerosoli & Co. (C), 1231 Christian street. Cost, \$2,550. Dwelling, brick, addition, 820 South Ninth street.

James Auto Supply Co. (O), 604 North Broad street. Federal Sign System (C), 1518 Sansom street. Cost, \$600. Roof sign, 604 North Broad street.

Frederick English (O), 226 West School lane. M. S. Oberholtzer (C), 5524 Pulaski avenue. Cost, \$900. Dwelling, brick, 2 stories, rear addition, 13x11 feet, slag roof, 226 West School lane.

F. W. Tunnell & Co. (O), Wheat Sheaf lane. Wilbert O. Springer (C), 1624 Latimer street. Cost, \$7,400. Store house, brick, 1 story addition, 40x192 feet, slag roof, Wheat Sheaf lane and Richmond street.

MacMurtrie & Wiedenmuller (O), 4852 Frankford avenue. Rush Bros. (C), 1100 Fillmore street. Cost, \$1,800. Garage, brick, 1 story, 19x49 feet, slate roof, 4852 Frankford street.

Miss B. H. Sorber (O), Fifty-ninth and J. Johnson streets. George A. Sorbers Sons (C), 18 Harvey street. Cost, \$1,000. Residence, brick, 1 story, rear addition, 17x24 feet, 59 North Johnson street, Germantown.

Grant Walten (O), Thirtieth and Master streets. Philip Harbach Const. Co. (C), 1261 North Twenty-sixth street. Cost, \$950. Dwelling, brick, 1 story addition, 16x12 feet, 12 feet high, slag roof, 3021 Girard avenue.

Hale & Kilburn Manufacturing Co. (O), Eighteenth and Lehigh avenue. John G. Brown (C), Witherspoon Building. Cost, \$1,000. 35,000 gallon tank support, northeast corner Glenwood and Margie streets.

David E. Roark (O), 510 North Front street. Charles C. Patterson (C), 3355 Goodman street. Cost, \$1,200. Shop, brick, 1 story rear addition as plans, 410 North Front street.

Board of Education (O), Nineteenth below Market street. Thompson Bros. (C), 123 North Fifth street. Cost, \$9,400. School, general repairs in heating and ventilating, Twentieth and Jefferson streets. (J. F. Reynolds School.)

Edw. Fittler Co. (O), 517 Arch street. Metzger & Fisher (C), 130 South Fifteenth street. Cost, \$15,000. Offices and store rooms, brick, interior alterations, 517 Arch street.

Ginseppe Imbest (O), 810 Carpenter street. Charles H. Rutherford (C), 3805 Haverford avenue. Cost, \$600. General repairs, 813 Carpenter street.

H. B. Coover (O and C), 1511 Poplar street. Cost, \$500. Garage, brick, 16x16 feet, 1 story, slag roof, 1512 Cambridge street.

Nellie A. Moylan (O), 1005 North Sixth street. Simmons Hardware Co. (C), 425 Arch street. Cost, \$700. Shop, brick, new front entrance, general interior alterations, 414 Cherry street.

Dr. A. M. Green (O), 708 Snyder avenue. Neiman & Melgram (C), 2125 South Eleventh street. Cost, \$750. Dwelling, brick, 3 stories, rear addition, 12x20 feet, slag roof, 708 Snyder avenue.

Herman Building and Loan Association No. 1 (O), 1234 West Columbia avenue. Burd P. Evans & Co. (C), Thirteenth and Wallace streets. Cost, \$2,500. Store, brick, general alterations interior, 1234 West Columbia avenue.

Gelbert Bros. (O), 112 South street. J. Gorehon (C), 4116 Girard avenue. Cost, \$500. Store and dwelling, brick, flush bulk windows, 110 South street.

David Berg Dist. Co. (O), Delaware avenue below Tasker street. Vincent Charles (C), 63 North Sixty-third street. Cost, \$1,000. Steel tank support, Delaware avenue and Tasker street.

Charles Baum (O), 1616 Blovis street. N. M. Bean (C), 4411 Germantown avenue. Cost, \$700. Brick, one-story rear addition, 12x7 feet, slag roof, 1616 Blovis street.

Samuel Hasting (O), Willow Grove avenue. D. L. Grubler (C), 219 High street. Cost, \$500. Garage, stone, general repairs and new doors, Willow Grove avenue and McCallum street.

Southwark Construction Co. (O and C), 360 Ritner street. Cost, \$1,500. Store, brick addition, 1 story, 16x28 feet and 14x24 feet, southwest corner of Porter and Galloway streets.

Grand Fraternity (O), 1626 Arch street. Harry R. Rust (C), 19 South Eighth street. Cost, \$12,000. Building, brick, alterations as per plans, 6 story fire tower, 16x10 feet, 1626 Arch street.

Wm. Engel (O), K and Tioga streets. James Bros. (C), 2080 East Willard street. Cost, \$1,600. Brick stable, 14x39 feet, 2 stories, rear 16x30 feet, 1 story; wagon shed, 16x40 feet, open shelter shed, slag roof, J and Tioga streets.

Samuel Friedman (O), 1714 South Twentieth street. Neiman & Milgram (C), 2125 South Eleventh street. Cost, \$2,000. Brick store, 2 stories, rear addition 18x14 feet, Twentieth and Watkins streets.

John T. Bailey Co. (O), Water and Tasker streets. Wm. Easterbrook (C), 146 North Fourth street. Cost, \$1050. Brick boiler house, 1 story addition 9x38 feet, slag roof, Water and Tasker streets.

Frank H. Stansburg (O and C), 4952 Hawthorne street. Brick dwelling third story addition 16x18 feet, and general alterations. Cost, \$500. ROTW Hawthorne street.

Wm. Lotz (O and C), Edgemont and Albert streets. Cost, \$3,500. Brick garage, 80x94 feet, 1 story, 4058 Powelton avenue.

Taylor & Sons (O), 26 South Fortieth street. Jas. F. Hallman (C), 5218 Vine street. Cost, \$550. Heating hot water system, 5601 Market street.

John F. Betz & Son (O), 411 Callowhill street. J. W. Cornew (C), Laurel Springs, N. J. Cost, \$1,500. Brick saloon, general repairs and alterations, 4561 North Eighteenth street.

Godfrey Schmeahuser (O), 27 York street. Frank G. English (C), 1608 North Carlisle street. Cost, \$1,200. Storage brick, repair fire damage, 2434 North Twenty-seventh street.

Geo. W. Sperr (O), 3439 Frankford avenue. Barnes Bros. (C), 2080 East Millard street. Cost, \$1,600. Brick garage, 20x53 feet, first story slag roof, Coral and Ontario streets.

John Adams (O), 3520 New Queen street. John J. Hurley & Co. (C), 4416 Cresson street, Manayunk. Cost, \$500. Brick dwelling, new 7x16 foot porch, and tin roof, general alterations, 3531 to 3539 New Queen street.

W. W. McNeary (O), 1700 Mt. Vernon street. A. M. McClintock (C), 1937 Ridge avenue. Store and dwelling. Cost, \$1,490. Hot water heating system, 1700-2 Mount Vernon street.

Clayton L. Hagy & Son, Inc. (O), northwest corner Sixteenth and Carpenter streets. Davis & Huston (C), 1500 Ellsworth street. Cost, \$4,700. Brick building, 1 story, 32x76x21 feet, 1609 and 1611 Carpenter street.

Harris Brody (O), 1320 North Fourth street. L. M. Shestack (C), 322 Dickinson street. Cost, \$1,000. Brick dwelling, two-story rear addition, 11x14 feet, 419 and 421 Fulton street.

Geo. Moyer & Co. (O), 728 Sansom street. M. J. Benany (C), 3042 Fox street. Cost, \$1,150. Brick store, general interior alterations, 210 South Eighth street.

Barrett Mfg. Co. (O), Bermuda and Margaret streets. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$6,000. Concrete building, third story addition, 65x50 feet, as plans, Bermuda and Tucker streets.

S. Zitomeoskey (O and C), 536 Mifflin street. Cost, \$500. Brick store, general interior alterations, 2025 South Fifth street.

Mathew Gilmore (O), 6334 Sherwood street. M. W. Young (C), Overbrook, Pa. Cost, \$1,300. Brick dwellings, asbestos shingle roof, 6334 Sherwood road.

Jean Currie Keenan (O), northwest corner Sixtieth and Arch streets. Amy Garrison Const. Co. (C), 300 North Sixtieth street. Cost, \$4,800. Brick store, general alterations and additions, 60th and Arch streets.

Emel J. A. Thelenburg (O), 328 North Sixty-third street. C. A. Legates (C), 222 North Gross street. Cost, \$2,000. Brick garage, 50x90 feet, slag roof, 328 North Sixty-third street.

Myer Verinsky (O), 1128 Pine street. Frank & Kaiser (C), 1522 South Sixth street. Cost, \$1,700. General alterations and additions, 1128 Pine street.

Phila. Trust Co. (O), 415 Chestnut street. Walter L. Burton (C), 2108 Sedgley avenue. Cost, \$2,700. Stone stable, repair fire

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damage, 7701 Second street pike.

John Obert (O), 5606 Ridge avenue. Elmer L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$5,000. Stone dwelling, two-story rear addition, 16x30 feet, tin roof, 5606 Ridge avenue.

M. Hurevitz (O and C), 831 North Sixth street. Brick store and dwelling, \$1,200. General alterations, no additions, 1401 North Franklin street.

O'Neill Bros. (O), Howard and Oxford streets. Jos. Quinn (C), Hancock and Montgomery avenue. Brick storage. Cost, \$1,000. Repair fire damage, 2615 Collins street.

Max Kurtz (O), 720 Pine street. Virgilio Cerasole (C), 1231 Christian street. Brick store and dwelling. Cost, \$1,250. General alterations, 613 South Eighth street.

B. G. Hitchner (O and C), Twelfth street and Cheltenham avenue. Cost, \$500. Stone garage, 1 story, 20x30 feet, concrete roof, Twelfth street and Cheltenham avenue.

H. W. Butterworth Sons Co. (O), Cedar and York streets. Wm. Steel & Sons Co. (C), 1600 Arch street. Cost, \$700. Brick storage, new roof slag and general repairs, Cedar and York streets.

Jas. Martin (O), Sixty-fourth and City Line. Gray Bros. (C), Rosemont, Pa. Cost, \$2,315. Brick dwelling, frame porch, 47x10 feet, southeast corner Sixty-fourth and City Line.

Albert J. Hamlin (O), 1108 Duncannon street. Henry A. Roberts (C), 2620 East Cumberland street. Cost, \$1,500. Brick garage, 1 story, 26x50 feet, slag roof Thirtieth and Windrim streets.

John T. Jordan (O), southwest corner Fiftieth and Haverford street. Frank A. Stoll (C), 1432 Germantown avenue. Cost, \$1,110. Brick saloon, one-story addition, 10 x16 feet, and interior repairs, northwest corner Fifty-second and Stiles streets.

Wills-Jones Co. (O), 1517 North Twenty-sixth street. Chas. A. Kessler (C), 931 Drexel Building, Stable, rear one-story brick addition and interior alterations, 53x85 feet. Cost, \$5,000. 1532-34 North Twenty-sixth street.

Hatter B. Diamond (O), 1624 Chestnut street. J. H. Jordan (C), Thirty-first and Oxford streets. Brick store. Cost, \$1,300. General alterations, 1624 Chestnut street.

James F. Griffith (O), 420 Moyer street. Howard Rowen (C), 321 Bellgrade street. Brick machine shop, concrete foundations, brick building, 27x100 feet. Cost, \$3,500. Front and Girard avenue.

Estate Geo. B. Wilson (O), Fifteenth and Chestnut streets. Bosh Co. (C), 1436 South Front street. Cost, \$950. Brick store, general repairs and alterations, 12 North Thirteenth street.

Frank Meyer (O), Waterloo and Cumberland streets. Albert Schmidt (C), 2449 North Hancock street. Cost, \$800. Brick garage, general repairs, 2424 North Howard street.

Wm. Cramp & Sons Co. (O), Phila. Hoffman Eng. & Const. Co. (C), Pennsylvania Building. Cost, \$2,000. Brick shop, one-story building, 22x67 feet, Richmond and Norris streets.

Geo. Stone (O), DeLong Building. J. C. Magill (C), 5110 Chester avenue. Cost, \$800. Brick store, erecting partitions, no additions, 111 South Fortieth street.

Jonathan Ring & Son, Inc. (O), Phila. Pittsburgh Des Moines Steel Co. (C), Pittsburgh, Pa. Cost, \$2,500. 25,000 gallon steel water tank and 100 foot steel tower, Han-

cock street and Montgomery avenue.

Louis J. Bergdoll (O), 402 Stock Exchange Building. Basch & Co. (C), 1436 South Front street. Cost, \$950. Brick store, general repairs and alterations, southwest corner Broad and Vine streets.

Coyne Bros. (O), Second and Pike streets. Alfred Stehle (C), 118 West Wyoming avenue. Corrugated iron storage, 23x33 feet, 1 story, slag roof. Cost, \$1,000. Second and Pike streets.

Coyne Bros. (O), Second and Pike streets. Alfred Stehle (C), 118 West Wyoming avenue. Cost, \$900. Brick one-story side addition, 15x23 feet, concrete roof, Second and Pike streets.

A. D. Campbell (O), 828 North Sixty-third street. Alfonso Verdi (C), 6145 Girard avenue. Cost, \$1,150. Brick garage, 19x20 feet, 1 story, 828 North Sixty-third street.

Mrs. Dr. J. Wm. White (O), 1810 Rittenhouse Square. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$500. Brick, 2 stories; addition, 7x9 feet, 1810 Rittenhouse Square.

Wm. Cramp & Sons (O), Beach and Ball streets. Hoffman Eng. & Const. Co. (C), Pennsylvania Building. Cost, \$10,000. Brick, 2 stories, shop 71x104 feet, as plan, Richmond and Norris streets.

Bradsky Bros. (O), 464 North Third street. Sam Kouser (C), 1952 North Stanley street. Cost, \$1,100. Brick storage, 2 story addition, 30x30 feet, slag roof, 1004 North Orkney street.

DeFrain Sand Co. (O and C), Beach and Berks streets. Cost, \$4,000. Brick shop, general alterations, Beach and Berks streets.

Jno. Wogvada (O and C), 4855 Nelrose street. Cost, \$1,300. Brick store, 2 stories, 20x20 feet addition, 4857 Nelrose street.

Mrs. Jane Cantz (O) (The Graham), Broad and Catherine streets. John Eagan (C), 718 Christian street. Cost, \$527. Brick saloon, general alterations and repairs, 940 South Tenth street.

National Dec. Co. (O), 1302 Sansom street. J. Spony (C), Keith Theatre. Cost, \$1,000. Sign anchorage, northeast corner Broad and Sansom streets.

Penna. R. R. Co. (O), Broad Street Station. Cost, \$5,000. Frame Building. (3) 1 story frame, 20x50 feet; (1) 1 story frame, 20x70 feet; (1) 1 story frame, 20x30 feet; (1) 1 story frame, 10x20 feet, Fifty-sixth street and Lancaster avenue.

M. Luber (O), 510 Spruce St. Nathan Lehrman (C), 920 Wolf street. Cost, \$600. Brick dwelling, second story rear addition, 12x12 feet, and bath 8x4 feet, 508 Spruce street.

Henry C. Finsel (O), 5838 Spruce street. Otto Malz (C), 2108 North Lawrence street. Brick store and dwelling. Cost, \$9,000. 16x18 feet brick addition, slag roof, and oven, 35 South Sixtieth street.

M. S. Oberholtzer (C), 5524 Pulaski avenue. James Andrews (O), 620 Carpenter street. Cost, \$2,500. Brick dwelling, 2-story brick addition, 19x11 feet, shingle roof, 620 Carpenter street.

Geo. Gowen Hood (O), Twenty-first and Locust streets. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$5,000. Brick dwelling, general interior alterations, no additions, Twenty-first and Locust streets.

H. H. McVaugh (O), 2027 East Cumberland street. W. R. Brown (C), 2145 East Fifth street. Cost, \$500. Rebuild side porch, 8x24 feet, and general repairs, no additions, 2027 East Allegheny avenue.

The Barrett Co. (O), Manayunk, Phila. A. L. Carhart (C), 1326 Chestnut street. Cost, \$8,000. Brick building, 55x65 feet, one story, Stiles and Wakeling streets.

St. Paul Baptist Church (O), Tenth and Wallace streets. F. B. Davis (C), 240 North Sixteenth street. Cost, \$5,000. Brick church, general alterations and repairs, Tenth and Wallace streets.

E. N. Marks (O), 4604 Baltimore avenue. John F. Hollard (C), 309 South Fifty-first street. Cost, \$1,250. Hot water heating plant, 4604-6 Baltimore avenue.

National Umbrella Frame Co. (O), Thirtieth and Thompson streets. Wm. Steel & Sons Co. (C), 1600 Arch street. Cost, \$3,000. Reinforced concrete one-story addition, 27x30 feet, concrete roof, Thirtieth and Thompson streets.

L. M. Lewis (O), Overbrook. Alfred James (C), Bala, Pa. Cost \$4,000. Stone garage, 1 story, 33x23 feet, shingle roof, City avenue, 400 feet West of Sixty-third street.

L. M. Lewis (O), Overbrook. Alfred James (C), Bala, Pa. Cost, \$4,000. Stone dwelling, interior and exterior alterations, City avenue and Sixty-third street.

Geo. Grass (O), Twenty-third street and Allegheny avenue. J. G. Miller (C), 2315 West Clearfield street. Cost, \$1,200. Brick garage, 16x40 feet, 1 story, Twenty-third and Allegheny avenue.

Phila. Textile Machy. Co. (O), Hancock and Somerset streets. Hemebique Const. Co. (C), 688 Drexel Building. Cost, \$5,000. Concrete building, addition 25x264 feet, 1 story, as plans, Sixth and Tabor road.

Gaston Presbyterian Church (O), Eleventh street and Lehigh avenue. Chas. J. Appleton (C), 213 Heed Building. Cost, \$6,500. Stone church, general alterations and repairs, Eleventh and Lehigh avenue.

M. Sussman (O), 318 Market street. S. Barnett & Sons (C), Drexel Building. Cost, \$1,000. Brick store, general repairs and alterations, 334 North Eighth street.

TRADE NEWS AND GOSSIP.

**The National Americanization Committee has chosen the following judges to award prizes in the contest for the housing of foreign labor: Chester H. Aldrich, architect, New York; Grosvenor Atterbury, architect, New York; Dr. Caroline Hedger, Chicago, Ill.; John Ihlder, Washington, D. C.; Morris Knowles, sanitary engineer, Pittsburgh; J. Lawrence Mauran, president American Institute Architects, St. Louis, and Milton B. Medary, Jr., architect, Philadelphia.

**George Dietel, architect, 706 Humboldt Parkway, Buffalo, N. Y., desires samples and catalogues from manufacturers and dealers in building materials and supplies.

**Eclipse Fireproof Sash & Door Co., manufacturer of kalamein work, has removed its plant to 330-332 Graham avenue, Brooklyn.

**James R. Coe, well known in the electrical trade in New York City, and a former president of the National Association of Stationary Engineers, has recently become a member of the sales force of Deuth & Co., Inc., manufacturers and importers of electric lamps, 120 Broadway.

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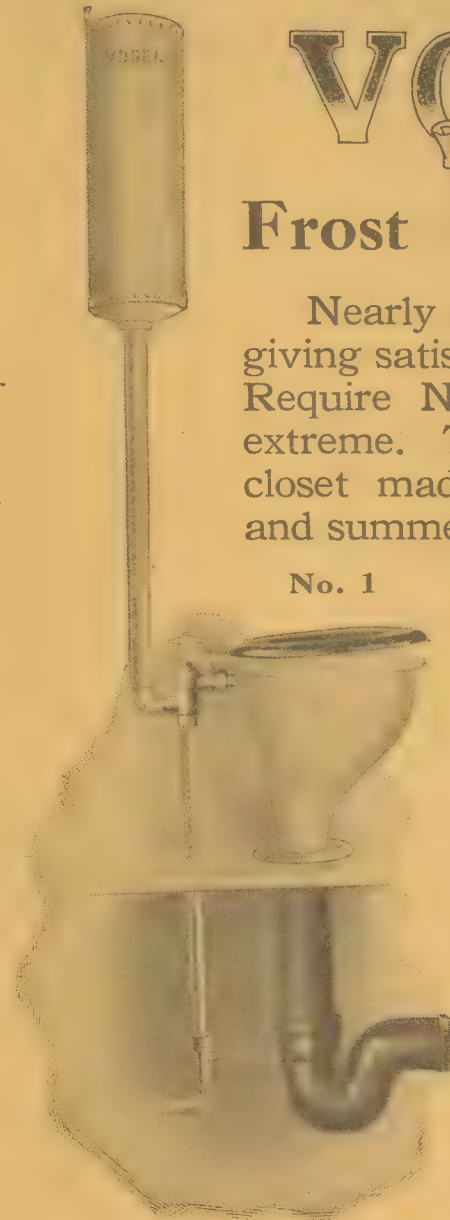
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Vol. XXXI., No. 25.

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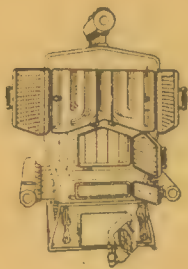
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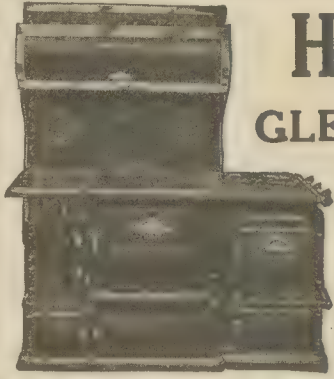
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Store (alts.), Widener Building, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, the Widener Estate, Land Title Building, Philadelphia. Lessees, J. E. Caldwell & Co., 902 Chestnut street, Philadelphia. Consists of interior alterations for jewelry store, electric lighting, marble work, decorating, store fixtures and cabinet work. Plans in progress.

Store and Loft Building, 1611 to 1615 Vine street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Clarence L. Marks, 6801 North Twelfth street, Philadelphia. Brick, terra cotta and reinforced concrete, 3 stories, 54x125 feet, slag roof, steam heating, electric lighting, metal sash, fire doors. Plans in progress.

Store and Apartments (alt. and add.), southwest corner Fifty-second and Hazel avenue. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Robert C. Hutchinson, 233 South Fifty-seventh street, Philadelphia. Brick, 4 stories, steam heating, electric lighting, tile work. Plans about completed. Architect will take bids in a few days.

Sewers, various streets, Philadelphia. Owners, City of Philadelphia, Department of Public Works, George E. Datesman, Director, City Hall. Consists of new sewers and rebuilding old sewers. Owners taking bids, due June 21st at noon. Plans may be obtained at Room 416, City Hall.

Garage, Sixty-second and Walton avenue, Philadelphia. Architect, H. E. DeHoff, 48 South Sixty-first street, Philadelphia. Owners, Travers & McGarrity, on premises. Brick, 1 story, 50x100 feet, slag roof, steam heating, electric lighting. Plans about completed. Owners will take sub-bids on all lines.

Bank Building (alts. and adds.), Seventh and Girard avenue. Architects, A. J. Sauer & Co., 908 Chestnut street. Owners, People's Bank, on premises. Marble and brick, 1 story, electric lighting, steam heating, etc. Architects taking bids, due June 28th. The following are figuring: Lam Building Co., 1001 Wood street; Smith-Hardican Co., 1606 Cherry street; F. A. Havens & Co., 845 North Nineteenth street; Hogg Construction Co.,

1634 Sansom street; Freund-Siedenbach Co., Bulletin Building; Samuel Schultz & Co., 1139 North Fortieth street; Morris Bakst, 1540 North Sixth street, Philadelphia.

Hospital (alts.), Thirty-fourth and Spruce streets, Philadelphia. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, University of Pennsylvania Hospital, on premises. Metal lath, waterproofing, tile, terrazzo and marble work, reinforced concrete floors (heating and electric work reserved). Architects taking bids, due June 21st. The following are figuring: Frank E. Wallace, 1220 Chancellor street; Stacy Reeves & Sons, 2011 Market street; Ewing & Endebrock, 1942 Delancey street, and Irwin & Leighton, 126 North Twelfth street.

Church and Alteration to Sunday School, Twentieth and Chelton avenue. Architects, Neff & Thames, Heed Building, Philadelphia. Owners, Covenant Presbyterian Church, Rev. H. W. Hathaway, Sixty-fifth avenue and Twenty-first street, Oak Lane, Philadelphia. Stone, 1 and 2 stories, slate roof, steam heating, electric lighting. Plans in progress.

Residence and Garage, Wakelin and Akron streets, Philadelphia, \$20,000. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, W. H. Wolstoncroft, 5019 Penn street, Philadelphia. Brick and stone, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architects have received bids.

Residence, E. Willow Grove avenue, Philadelphia. Architect, private plans. Owner, Franklin Landenberg, 22 E. Gowen avenue. Brick and stucco, 2½ stories, 40x22 feet, wing, 11x12 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Owner has received bids.

Garage, Fifty-ninth and Walnut streets, Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner, L. H. Lørdom, on premises. Brick, 1 story, 32x100 feet, slag roof, electric lighting, steam heating, cement floors. Plans completed. Owner is ready for bids.

Residence and Garage, Oak Lane, Philadelphia. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, M. C. Fur-

stenau, 509 Independence avenue, Oak Lane. Hollow tile, 3 stories, 32x32 feet, and 1 story, 17x22 feet, green slate roofs, electric and gas lighting, tile work, hot water heating, hardwood floors. Architect taking bids, due June 20th. The following are figuring: Hogg Construction Co., 1634 Sansom street; Charles Bnd, Ashbourne, Pa.; W. John Stevens, Wyncote, Pa.; I. A. Dunkelberger, 71 E. Herman street; Geo. A. Boyd, 211 E. Willow Grove avenue, and J. H. Dagney, York road and Sixty-ninth avenue, Oak Lane, Philadelphia.

Church, Tenth street and Northeast Boulevard, Philadelphia. Architects, Ralph B. Benckor and Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, First Christian Church, Rev. Irving S. Chenoweth, 1418 Euclid street, Philadelphia. Stone, 1 story, 124x54 feet, slate roof, steam heating, electric lighting, metal lath, maple floors, waterproofing. Architects taking bids, due June 22d. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Chas. J. Appleton, Heed Building; J. Sims Wilson Co., 1125 Brown street; Pringle Borthwick, 8018 Germantown avenue; E. E. Hollonback, Fifteenth and Race streets; H. E. Grau Co., 1707 Sansom street, Philadelphia.

Hall Building, 751 to 755 South Nineteenth street, Philadelphia. Architects, Hilligan & Pierson, 520 Walnut street, Philadelphia. Owners, United Order of Odd Fellows, on premises. Brick, 1 story, 50x125 feet, Carey's roof, electric lighting, maple floors, tile work, roof ventilators (heating and plumbing reserved). Architects taking bids (revised), due June 19th. Fidelity Construction Co., Heed Building, is figuring (only bidders).

Residence and Garage, St. Martins, Philadelphia. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 29x60 feet, shingle roof, electric lighting, pine floors, tile work, metal lath (heating reserved). Architect taking bids, due June 21st. The following are figuring: Henry L. Brown, 1714 Sansom street; Pringle Borthwick, 8018 Germantown avenue; John E. Walt, 204 E.

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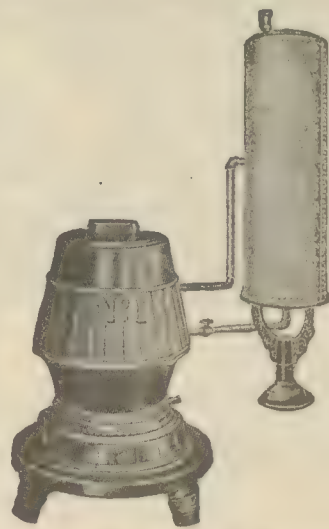
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Show Rooms (alts.), Twelfth and Ridge
avenue, Philadelphia. Architects, Price &
McLanahan, Bellevue Court Building, Phila-
delphia. Owners, Haines, Jones & Cadbury
Co., on premises. Metal lath (plumbing, heat-
ing, electric work, tile and marble work re-
served). Architects taking bids, due June
17th. H. E. Grau Co., 1707 Sansom street, is
figuring (only bidders).

Factory, Seventh and Willow streets, Phila-
delphia, \$300,000. Architects, Wm. Steele
& Sons Co., 1600 Arch street, Philadelphia.
Owners, Wm. R. Warner & Co., 639 N. Broad
street, Philadelphia. Brick, terra cotta and
reinforced concrete, 8 stories, 180x200 feet,
slag roof, steam heating, electric lighting, fire
doors, metal sash, elevators. Plans in pro-
gress. Builders Wm. Steele & Sons Co., 1600
Arch street, will take sub-bids.

Loft Building, 1611 to 1615 Vine street.
Architect, Frank E. Hahn, 1112 Chestnut
street, Philadelphia. Owner, Clarence L.
Marks, 6801 North Twelfth street, Philadel-
phia. Reinforced concrete and brick, 3 stor-
ies, 54x125 feet, slag roof, steam heating,
electric lighting, maple floors, tile work, metal
lath, roof ventilators, fire doors, safety treads,
steel sash. Architect taking bids, due June
27th. The following are figuring: H. E.
Baton, Twelfth and Sansom streets; Warren,
Moore & Co., Commercial Trust Building; I.
T. Shoemaker, 1324 Walnut street; Lam Build-
ing Co., 1001 Wood street; Turner Concrete
Steel Co., 1713 Sansom street; McCloskey &
Bahls, Hale Building; Sutton & Stephenson,
1317 Washington avenue; Metzger & Fisher,
Denekla Building; Smith-Hardican o., 1606
Cherry street; Freund-Siedenbach Co., Bulle-
tin Building; Bailey-Lush Co., 201 North
Broad street; Brown-King Construction Co.,

Commercial Trust Building; E. E. Hollenback,
Fifteenth and Race streets; Monaghan &
Losse, 3016 Chestnut street; H. H. Wehmeyer,
1004 West Lehigh avenue, Philadelphia.

Factory and Warehouse (alt. and add.), 218
and 220 Race street. Architect, private plans.
Owner, Rushton Marot, 212 Race street, Phila-
delphia. Brick, 4 stories, 26x104 feet, slag
roof, reinforced concrete floors, metal sash,
fire doors, freight elevator (heating and elec-
tric work reserved). Builder James B. Floun-
ders, 1329 Arch street, taking sub-bids, due
June 21st.

Apartment House and Stores (alt.), south-
east corner Fifty-second and Hazel avenue.
Architect, Frank E. Hahn, 1112 Chestnut
street, Philadelphia. Owner, Robert C. Hutch-
inson, 233 South Fifty-seventh street, Phila-
delphia. Brick, stone trimmings, 3 stories,
18x89 feet, tin roof, steam heating, electric
lighting, composition and hardwood floors.
Architect taking bids, due June 23rd. The
following are figuring: McCloskey & Bahls,
Hale Building; Smith-Hardican, 1606 Cherry
street; Joseph Levin & Co., 1530 South Sixth
street; H. Reusswick, 137 North Tenth street;
E. J. Kreitzburg, 1345 Arch street; Lam
Building Co., 1001 Wood street, Bernstein,
1510 North Franklin street.

Recreation Building, Fifty-first and Chester
avenue, Philadelphia. Architect, Philip H.
Johnson, Land Title Building, Philadelphia.
Owners, Board of Recreation, City Hall, Phila-
delphia. Brick, stone and terra cotta, 2 1/2
stories, 202x85 feet, slate roof, metal lath,
roof ventilators, iron stairs, steel lockers
(heating, plumbing and electric work separ-
ate bids). Owners taking bids, due July 7th
at noon. The following are figuring: Mona-
ghan & Losse, 3016 Chestnut street; H. E.
Baton, Twelfth and Sansom streets; F. W.
Van Loon, Denekla Building; James H. Wells,
Heed Building.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Fire Tower, Eighteenth and Morris streets,
Philadelphia. Architects, E. F. Durang &
son, 10 South Eighteenth street, Philadelphia.

Owners, St. Thomas Aquinas Parochial School,
Rev. P. J. Mullin, on premises. Brick and
concrete, 4 stories, slag roof, metal lath,

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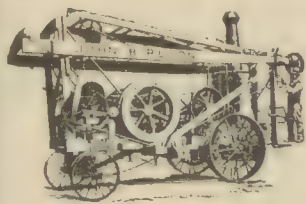
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safety treads. Contract awarded to Wm. J. McShane, 417 South Thirteenth street, Philadelphia.

Parochial School (alts. and add.), Sixty-third and Callowhill streets. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, Our Lady of the Rosary R. C. Church, Rev. P. J. Dailey, 345 North Sixty-third street, Philadelphia. Brick and stone, 3 stories, slate roof, metal lath, yellow pine floors (heating, plumbing and electric work separate bids). Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Boiler House and Engine House, Delaware river and Mifflin street. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Mifflin Chemical Co., care architect. Brick, concrete, corrugated iron and steel, 1 story, 30x60 feet, slag roof, steam heating, electric lighting. Contract awarded to Joseph Levin Co., 1530 South Sixth street, Philadelphia.

Mashine Shop, Forty-fifth and Lancaster avenue, Philadelphia. Architect, private plans. Owners, Hess Machine Works, 2512 Callowhill street. Brick, 2 stories, 52x130 feet, asphalt roof, maple floors, metal sash (heating, plumbing and electric work reserved). Contract awarded to Sutton & Stephenson, 1317 Washington avenue.

Office Building 4660 to 4662 Frankford avenue, Philadelphia. Architect, J. Walter Eastburn, 1106 Foulkrod street, Philadelphia. Owner, Dr. Frank Embrey, 4662 Frankford avenue, Philadelphia. Brick and terracotta, 2 stories, 36x85 feet, slag roof, steam heating, electric lighting. Contract awarded to Rush Bros., 1100 Fillmore street, Philadelphia.

School Building, Fourth and Porter streets, Philadelphia, \$189,599. Architect, J. Horace Cook, Nineteenth above Chestnut streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick and terra cotta, concrete floors, fireproof, 3 stories, 186x119 feet, composition roof, metal lath, fire doors (heating, plumbing and electric work separate bids). Contract awarded to Melody & Keating, 1322 Race street, Philadelphia.

School (adds.), Fifty-eighth and Media streets, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street,

Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick and terra cotta, 3 stories, 3 stories, (2) wings, 63x36 feet and 81x37 feet, composition roof, metal lath, slate blackboards, marble work, roof ventilators, fire doors (heating, plumbing and electric work separate bids). Contract awarded to Wm. R. Dougherty, 1610 Sansom street.

Lodge Building, 1619-21 South street, Philadelphia. Architect, Henry De Hoff, 48 South Sixty-first street, Philadelphia. Owners, I. B. P. O. E. W., O. V., Cato Lodge No. 20, on premises. Brick, 1 story addition, slag roof, electric lighting, tile work, metal lath (heating reserved). Contract awarded to C. A. Le Gates, 322 North Gross street, Philadelphia.

Restaurant (alts.), 5910 Market street, Philadelphia. Architects, Sheen & Gill, 450 North Wilton street, Philadelphia. Owner, B. G. Keplinger, 39 South Fifty-second street, Philadelphia. Brick, 2 stories, 21x130 feet, slag roof, maple floors (plumbing, heating, electric work, dumb waiters, terrazzo floors, ventilators reserved). Contract awarded to Sheen & Gill, 450 North Wilton street, Philadelphia.

Bridge, Bensalem avenue over Pennypack Creek, \$200,000. Engineers, Bureau of Surveys, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Works, George E. Datesman, Director, City Hall. Reinforced concrete and steel. Contract awarded to Day & Zimmerman, 611 Chestnut street.

Toilet Rooms (alts.), Girard College, Philadelphia. Architect, J. H. Windrim, Commonwealth Building, Philadelphia. Owner, Stephen Girard Estate, Lafayette Building, Philadelphia. Metal lath, electric lighting, steam heating. Contracts for No. 6 and No. 9 awarded to Pomeroy Const. Co., 1609 Ransstead street, Philadelphia.

Garage, 3628 Walnut street, Philadelphia. Architect, Clarence M. Bogia, 5833 Washington avenue, Philadelphia. Owner, William N. Beaver, 127 North Fifth street, Philadelphia. Brick, 1 story, 176x50 feet, slag roof, electric lighting, waterproofing, concrete floors (gasoline storage system and hot water heating reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street.

PENNSYLVANIA Construction News

Stores and Office Building (alt. and add.), Sixth and Washington streets, Reading, Pa., \$35,000. Architect, Geo. L. Gerhard & Son, 519 Penn street, Reading, Pa. Owners, American Casualty Co., Reading, Pa. Stone, terra cotta, brick and steel, 4 stories, 60x111 feet, slag roof, vapor heating, combination lighting, tile, hardwood, composition and reinforced concrete floors, 3 store fronts, elevator, slate treads. Plans in progress.

Bungalow, Hamburg, Pa. Architects, Geo. L. Gerhard & Son, 519 Penn street, Reading, Pa. Owner, Wilson E. Schmidt, Hamburg, Pa. Stone, 1 story, 40x76 feet, shingle roof, electric lighting. Plans in progress.

High School, Borough of Robeson, Pa.

Architect, E. Z. School, 31 North Sixth street, Reading, Pa. Owners, Board of Education, Borough of Robeson, Pa. Brick, terra cotta and reinforced concrete, 2* stories, 100x70 feet, slag roof, hot air heating, electric lighting, waterproofing. Architect taking bids, due June 23d. The following are figuring: Board onst. Co., Reading, Pa.; Adam Spatz, Wernersville, Pa.; John R. Hollonbach, Robeson, Pa.; J. Nagle, Allentown, Pa., and Wm. H. Wiand, Pottstown, Pa.

Factory, Richland Pa., \$15,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Curtis & Jones, Richland Enterprise Mfg. Co., Richland, Pa. Reinforced concrete and brick, 2* stories, 41x121

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feet, slag roof, steam heating, electric lighting, reinforced concrete floors, waterproofing and dampproofing, sprinkler system, steel sash. Architect taking bids, due June 27th. The following are figuring: L. H. Focht & Son, Reading, Pa.; John Wickersham, Lancaster, Pa., and C. A. Sollenberger, Harrisburg, Pa.

Store and Apartment (alt. and add.), Ninth and Court streets, Reading, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, H. L. Boas, Reading, Pa. Brick, 3 stories, 20x60 feet, composition roofing, steam heating, electric lighting. Revised plans in progress.

Church, Sunday School and Parsonage, Pallmerton, Pa., \$22,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Trinity United Evangelical Church, Rev. D. R. Hart, Palmerton, Pa. Brick and stone, 1½ and 2½ stories, 80x100 feet, slate roof, vapor heating, electric lighting, maple floors, waterproofing. Architect taking revised bids, due June 21st. The following are figuring: Beard Construction Co., Reading, Pa.; Butz & Clader, J. Nagle, and Stein & Co., Allentown, Pa.

Residence, Sewickley, Pa. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, George E. McCagu, Farmers Bank Building, Pittsburgh, Pa. Hollow tile and plaster, 2½ stories, 30x50 feet, wing 20x30 feet, shingle roof, hardwood floors, tile work (heating, plumbing and electric work separate bids). Architects taking bids, due June 26th. The following are figuring: Thomas M. Seeds, Jr., Co., 1207 Race street; F. Hoffman & Co., Williamsburg, Pa.; D. L. Swearingin, Sewickley, Pa.; H. E. Boall & Co., Sewickley, Pa.; Schultz, Shreiner & Clyde, May Building, Pittsburgh, Pa.

Poultry Building, Reading Fair Grounds, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Reading Fair Co., Reading, Pa. Hollow tile, steel and stucco, 1 story, 60x140 feet, asbestos shingle roof, electric lighting. Owners taking bids.

High School, Kutztown, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, G. C. Bordner, Secretary, Kutztown. Brick and stone, 3 stories, 85x100 feet, slag roof, hot air heating, electric lighting, reinforced concrete floors, waterproofing. Owners taking revised bids, due June 24th. The following are figuring: Board Const. Co., Reading, Pa.; Wm. H. Wiand, Pottstown, Pa.; J. Nagle, Allentown, Pa.; J. B. Trezler, Reading, Pa.; E. F. Peters, Allentown, Pa.; Andrew Breslin, Summit Hill, Pa.; Chas. D. Wessner, Kutztown, Pa.

Ward Buildings (2), South Mountain, Pa., \$150,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Asylum for Chronic Insane, Dr. S. S. Hill, South Mountain. Brick, stone, terra cotta and reinforced concrete, fireproof, 2 stories, 396x87 feet, slate roof, metal lath, waterproofing, composition floors, ventilators, hollow metal doors, asphalt floors, safety treads (heating, plumbing and electric work separate bids). Owners taking bids, due July 3d. The following are figuring: James H. Wells, Heed Building;

Henry L. Brown, 1714 Sansom street; Frank G. Stewart, 1619 Sansom street; E. E. Hollonback, Fifteenth and Race streets; Metzger & Fisher, Denckla Building; Hughes-Foulkrod Co., Commonwealth Building; Warren, Moore & Co., Commercial Trust Building; Irwin & Leighton, 126 North Twelfth street; Doyle & Co., 1519 Sansom street, all of Philadelphia; Beard Const. Co., Reading, Pa.; Daniel H. Hunter, Deading, Pa.; Adam P. Spatz, Wernersville, Pa.; Geo. W. Stiles Const. Co., Rookery Building, Chicago, Ill.; W. H. Fissell & Co., Marbridge Building, New York City; Shamokin Lumber & Mfg. Co., Shamokin, Pa.; J. L. Menough & Son, York, Pa.; George C. Rossell, Triangle Building; Rochester, N. Y.; Kelley & Kelley, Twelfth street, near Vernon avenue, New York City.

Residence and Garage, Ardmore, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, E. S. Rogers, Ardmore, Pa. Stone, hollow tile and plaster, 2½ stories, 40x35 feet, shingle or tile roof, vapor heating, electric lighting, hardwood floors, tile work. Revised plans in progress.

School, Rockdale, Pa. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Robert Habberset, President, Glen Riddle, Pa. Brick, stone trimmings, 3 stories, 50x90 feet, slag roof, pine floors, metal lath, slate blackboards, roof ventilators (heating, plumbing and electric work separate bids). Owners taking bids, due June 21st. Hogg Construction Co., 1634 Sansom street, Philadelphia, and P. J. Hurley, 1233 Cherry street, Philadelphia, are figuring.

Residence, Garage and Stable, Laverock, Pa. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, John Strawbridge, 114 Custom House Place. Stone, frame and plaster, 2* stories; residence, 75x125 feet; stable and garage, 2 stories, 50x100 feet, shingle roof, waterproofing, yellow pine floors, tile work (heating, plumbing and electric work separate bids). Revised plans in progress.

Science Hall Building, Haverford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owners, Haverford College, Pa. Stone, 3 stories, 70x110 feet, slate roof, steam heating, fireproof, electric lighting. Plans in progress.

Cottage, St. Davids, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, Charles S. Walton, St. Davids, Philadelphia. Brick and stone, 2 stories, 75x58 feet, tile and slag roof, hot water heating, electric lighting, tile work. Architect taking revised bids. The following are figuring: Monaghan & Losse, 3216 Chestnut street; J. D. Longel, Wayne, Pa.; Wm. D. Smedley, Narberth, Pa., and Frank H. Mahan, Ardmore, Pa.

School, Yardley, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Board of Education, Yardley, Pa. Brick, 1 story, 148x110 feet, asphalt shingle roof (plumbing, warm air heating and electric work separate bids). Owners taking bids, due June 29th. (Note change in date.) In addition to those previously reported, F. B. Davis, 240 North Sixteenth street; F. A. Havens & Co., 845 North Nineteenth street; Chas. M. Bussinger, 4910 North Front street, Philadel-

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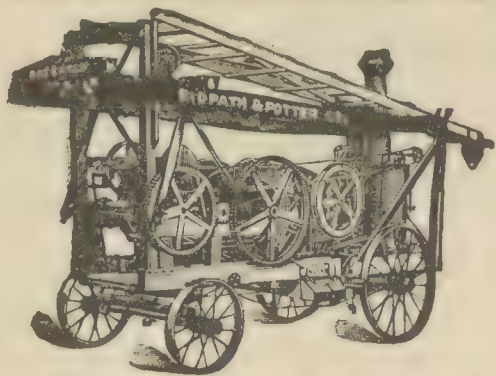
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phia; C. Y. Stradling, Oxford Valley, Pa.; Jos. T. Taylor, Langshorne, Pa.; P. J. O'Neill, Yardley, Pa.; Charles Y. Barlow, and I. Harper Clayton, both of Trenton, N. J., are figuring.

Residence (alts.), Laverock, Pa. Architects, Marmaduke Tilden, 1713 Sansom street, and Bissell & Sinkler, Bailey Building, Philadelphia. Owner, Arthur E. Newbold, Laverock,



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Pa. Consists of new stone and frame porches, slag roof. Architects have received bids.

School Building, Harrisburg, Pa. Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owners, Harrisburg Academy, Professor Brown, Harrisburg, Pa. Brick and stone, 3 stories, 35x100 feet, slate roof, steam heating, electric lighting. Plans in progress.

Residence and Garage, Cwnyed, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, name withheld. Stone, hollow tile and plaster, 2* stories, 25x40 feet, wing, 16x20 feet, shingle roof, vapor heating, electric lighting, hardwood floors. Plans in progress. Architect will take bids in about three weeks.

Power House, Chester, Pa., \$1,000,000. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, The Beacon Light Co. (Phila. Electric Co.) Brick, concrete and steel, fireproof, 1 story. Plans in progress.

Warehouse, corner Dewberry and Strawberry streets, Harrisburg, \$30,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Dives, Pomeroy & Stewart, Harrisburg, Pa. Reinforced concrete, brick and steel, 5 stories, 53x111 feet, composition roof, steam heating, electric lighting, reinforced concrete floors, metal sash and doors, dampproofing, elevator, sprinkler system. Architect taking bids, due June 23d, at 3 P. M. In addition to those previously reported,

Frank G. Stewart, 1610 Sansom street, Philadelphia, is figuring.

Residences (100), South Bethlehem, Pa., \$250,000. Architect, private plans. Owners, Foering & Heller, Bethlehem Trust Co., South Bethlehem. Hollow tile and stucco, 2 stories, 45x32 feet, slate roof, hot air heating, electric lighting. Owners taking sub-bids.

Restoration of Mansion, Allentown, Pa., \$7,000. Architects, Jacoby & Weishample, Allentown, Pa. Owners, Allentown Historical Society, Allentown, Pa. Brick, 2½ stories. Plans in progress.

Store, Apartments and Residence, Bethlehem, Pa., \$10,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owner, Harvey F. Hess, Bethlehem, Pa. Hollow tile, brick and steel, 2 stories, 40x54 feet, slag roof, hot water heating, electric lighting, tile and hardwood floors, metal lath, store front, metal ceilings. Plans in progress. Ready for bids, due July 1st.

Twin Residences (2), Bethlehem, Pa., \$18,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owner, John J. Shenk, Bethlehem, Pa. Hollow tile, brick and stucco, 2½ stories, 32x52 feet, tile and asbestos roof, hot water heating, electric lighting, tile and hardwood floors. Owner will take bids.

Twin Residence, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, L. E. Ritter, South Bethlehem, Pa. Brick, 3 stories, 56x36 feet, slate roof, electric lighting (heating reserved). Owner will take bids.

Residence (alt.), South Bethlehem, Pa., \$15,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, E. H. Schwab, South Bethlehem, Pa. Consists of interior alterations. Architects has received bids.

School, Collingdale, Pa. Architect, W. L. Blithe, 608 Chestnut street, Philadelphia. Owners, School Board of Collingdale, Walter H. Milburn, Secretary, Collingdale, Pa. Brick and terra cotta, 2 stories, 50x90 feet, slag and tin roof, maple floors (roof ventilators, heating, plumbing and lighting separate bids). Owners have received bids.

Residence, Villa Nova, Pa., \$40,000. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Edward -C. Page, North American Building, Philadelphia. Hollow tile and plaster, 2½ stories, 58x39 feet; wing, 33x21 feet, shingle roof, vapor heating, electric lighting, hardwood floors, tile work. Plans about completed. Builders, J. S. Cornell & Son, Land Title Building, Philadelphia, will take sub-bids in about one week.

Residences (146), Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Chester Realty and Construction Co., Chester, Pa. Brick, 2 and 3 stories, slag, slate and tin roofs, hot air and hot

water heating, electric lighting. Plans completed. Architect is ready for sub-bids on all lines.

Store and Apartments, Harrisburg, Pa., \$150,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owner, the Doohn Estate, C. A. & G. L. Doohn, Harrisburg, Pa. Brick and reinforced concrete, 4 stories, 100x106 feet, slag roof, vapor heating, electric lighting, concrete floors, tile and terrazzo work, metal lath, metal sash, waterproofing, Architect taking bids. Frank G. Stewart, 1619 Sansom street, and Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Residence and Garage, Chestnut Hill, Pa., \$50,000. Architects, Moller & Meigs, 205 South Juniper street, Philadelphia. Owner, Francis S. McIlhenny, Commercial Trust Building. Stone, 2½ stories, 20x65 feet and 30x53 feet, tile roof, electric lighting, tile and marble work, hardwood floors. Revised plans will be prepared.

Residence, Garage and Stable, Laverock, Pa. Architect, Edmund S. Gilchrist, 1424 Walnut street, Philadelphia. Owner, John Strawbridge, 114 Custom House Place. Stone, frame and plaster, 2½ stories. Residence, 75x125 feet; stable and garage, 2 stories, 50x100 feet. Shingle roof, waterproofing, yellow pine floors, tile work (heating, plumbing and electric work separate bids). Revised plans in progress.

School (add.), Chester, Pa. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Church of the Resurrection, Rev. A. L. Ganter, Chester, Pa. Stone, 2 stories, electric lighting, steam heating. Architects taking bids, due June 23rd. The following are figuring: Francis J. Moore, Chester, Pa.; Wm. Provost, Chester, Pa.; W. L. & G. H. O'Shea, New York City; Wm. J. McShane, 417 South Thirteenth street; Melody & Keating, 1322 Race street; Wm. R. Dougherty, 1610 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street; D. W. O'Dea, 5219 North Fifth street, Philadelphia.

Apartment House, Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Adolf Printz, Pottstown, Pa. Brick, 4 stories, slag roof, steam heating, electric lighting. Plans in progress.

Church, Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, St. James' Lutheran Church, Pottstown, Pa. Stone, 1 story, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about ten days.

Church, Chester, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Providence Avenue M. E. Church, Chester, Pa. Stone and brick and terra cotta, 1 story, 59x66 feet, slate and slag roof, electric lighting, tile work (plumbing and heating reserved). Owners taking bids, due June 27th. The following are figuring: James B. Flounders, 1329 Arch street; Alexander Chambley, 241 South Tenth street; Thomas C. Trafford, 1613 Sansom street, Philadelphia.

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PENNSYLVANIA

Contracts Awarded

School, Oley Township, Pa., \$15,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Board of Education, Oley Township, Pa. Brick, 2 stories, 47x67 feet, slate roof, steam heating, electric lighting. Contract awarded to J. Keehn, Freidensburg, Pa.

High School, Pitz, Pa., \$95,000. Architect, Ed. Z. Scholl, 131 North Sixth street, Reading, Pa. Owners, Board of Education, Lititz, Pa. Brick and cut stone, 2½ stories, 176x176 feet, slag roof, electric lighting, reinforced concrete floors, waterproofing. Contract awarded to Andrew Breslin, Summit Hill, Pa.

School, Bethlehem, Pa., \$80,000. Architect, E. H. Bitting, South Bethlehem, Pa. Owners, Board of Education, Howard Judd, Secretary. Brick, hollow tile, steel and brick, 2 stories, 180x125 feet, slag roof, steam heating, electric lighting, safety treads. Contract awarded to Jacob Nagle, Allentown, Pa.

Twin Residence, Flourtown, Pa., \$4,800. Architect, private plans. Owners, Alfred & Clarence Soddon, Flourtown, Pa. Stone and frame, 2½ stories, slate roof, hot water heating, electric lighting. Contract awarded to David McCork, Flourtown, Pa.

Factory, Woolrich, Pa. Architect, T. J. Litzelman, Williamsport, Pa. Owners, John Rich & Bros., Woolrich, Pa. Brick, steel and concrete, 4 stories, 61x101 feet, asphalt felt roof, steel sash, fire doors (heating, electric work and elevators reserved). Contract awarded to Hughes-Foukrod Co., Commonwealth Building.

Residence (alt. and add.), Bryn Mawr, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Wm. Reinhold, Jr., 1309 Walnut street, Philadelphia. Stone and frame, 2* stories, consists principally of interior alterations. Contract awarded to J. J. Graham & Son, Bryn Mawr, Pa.

Bungalow, West Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, J. S. Lang, South Bethlehem, Pa. Frame, 1½ stories, 29x22 feet, shingle roof, electric lighting (heating reserved). Contract awarded to W. A. Stein & Bro., Allentown, Pa.

Garage, Wynnewood, Pa. Architect, H. B. Peterson, 34 South Seventeenth street, Philadelphia. Owner, A. D. Smith, Wynnewood, Pa. Stone, 2 stories, 25x40 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Milton W. Young, Overbrook, Pa.

Church, West Chester, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, M. E. Church of West Chester, Rev. Jay Dickinson, West Chester, Pa. Stone, 1 story, 90x116 feet, slate roof (heating, plumbing and electric work reserved). Contract awarded to Joseph M. Burns, West Chester, Pa.

Residence, Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Wm. V. Willis, 134 S. Eleventh street, Philadelphia. Hollow tile and plaster, 2½ stories, 30x31 feet, slate roof, electric lighting (parquetry floors and heating reserved). Contract awarded to M. Atlee Arnold, Manhattan Building, Philadelphia.

Residence (add.), Wyncote, Pa., \$35,000. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Cyrus H. K. Curtis, Sixth and Walnut streets, Philadelphia. Consists of new music room, stone, 1 story, 37x74 feet, slate roof (heating and electric work separate bids). Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

Residence, Elkins Park, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Mrs. Henrietta Widener, Elkins Park, Pa. Hollow tile and stucco, 2½ stories, 24x47 feet, slate roof, oak floors, tile work (hot water heating, plumbing and electric work separate bids). Contract awarded to Specht & Sperry, Heed Building, Philadelphia. (Note change in contractor.)

Residence (add.), Bryn Mawr, Pa. Architect, Louis E. Marie, Covington Apartments, Philadelphia. Owner, A. M. Collins, Bryn Mawr, Pa. Hollow tile and plaster, 1 story, 38x51 feet, asbestos shingle roof, steam heating, electric lighting, tile work, metal lath. Contract awarded to Gray Bros., Rosemont, Pa.

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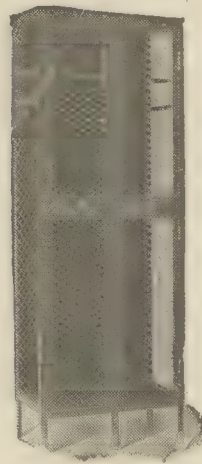


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NEW JERSEY Construction News

School Building, Laurel Springs, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Board of Education, Laurel Springs, N. J. Brick, stone trimmings, 2 stories, 87x50 feet, slate roof. Plans in progress. Bids in six weeks.

School, Lumberton, N. J., \$15,000. Architect, H. A. Brown, Burlington, N. J. Owners, School Board of Lumberton Township, Frank Cotton, Lumberton, N. J. Brick, 1 story, 75x48 feet, asbestos shingle roof, steam heating, electric lighting, waterproofing. Plans in progress.

Residences (16), Ellsworth avenue, Trenton, N. J., \$31,000. Architect, private plans. Owner, Samuel Hilton, Forst Richey Building, Trenton, N. J. Brick, 2½ stories, 14x30 feet, slate and tile roof, hot air heating, electric lighting. Owner is sub-letting all contracts.

Residence, Burlington, N. J., \$5,000. Architect, H. A. Brown, Burlington, N. J. Owner, C. J. Ahles, Burlington, N. J. Frame, 2½ stories, 36x28 feet, shingle roof, hot water heating, electric lighting, tile work. Architect taking bids, due June 24th.

Green House (extension), New Brunswick, N. J., \$1,500. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey Agricultural Experimenting Station, New Brunswick, N. J. Glass and steel, 1 story, 50x20 feet. Plans in progress.

Sewage Disposal System (Repairs and Extension), Skillman, N. J., \$45,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Epileptic Village, Skillman, N. J. Terra cotta piping and reinforced concrete tanks. Owners ready for bids.

Bungalow, Atlantic City, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Wm. Smathers, Atlantic City, N. J. Frame, 2* stories, 36x40 feet, slate roof, hot water heating, electric lighting. The Atlantic Building Company, Union National Bank Building, Atlantic City, is taking sub-bids.

Residence, Ventnor, N. J. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, Captain J. Edward Palmer, Atlantic City, N. J.

tie City, N. J. Frame, 3 stories, 26x34 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architects taking bids, due as soon as possible. Eugene Tourison, 1001 Chestnut street, Philadelphia, is figuring.

Residence, Woodbury, N. J., \$12,000. Architect, Chas. H. Peddle, 136 South Fourth st., Philadelphia. Owner, M. E. Douglas, Woodbury, N. J. Stone and frame, 2½ stories, 30x55 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Bungalow, Flemington, N. J. Architect, Clarence B. Dilts, Flemington, N. J. Owner, Embury Vreeland, Flemington, N. J. Frame, 1½ stories, shingle roofing, steam heating, electric lighting. Plans in progress.

Residence, Clementon, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Palmer Earle, Clementon, N. J. Frame and stone, 2 stories, 34x34 feet, shingle roof, steam heating, electric lighting, tile and hardwood floors. Architect taking bids, due June 20th. The following are figuring: a. E. Oakes, Oaklyn, N. J.; Fred Lange, Audubon, N. J.; William Conger, Haddon Heights, N. J., and Royden Lippincott, Stratford, N. J.

Residence, Bridgeton, N. J., \$7,500. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, John P. Leap, Pennsgrove, N. J. Hollow tile and stucco, 2½ stories, 44x30 feet, slate and tile roof, combination lighting, maple floors, metal lath. Architects ready for bids.

Residence, Ventnor, N. J. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, W. I. Porch, Sheen Building, Atlantic City, N. J. Frame, 3 stories, 118x56 feet, slate roof, hot water heating, electric lighting, hardwood and tile floors. Plans in progress.

Lodge Hall, Atlantic City, N. J. Architect, Seward G. Dobbins, 10 South Tennessee avenue, Atlantic City, N. J. Owner, Turner Hall, Atlantic City, N. J. Brick, 3 stories, 98x120 feet, slag roof, steam heating, electric lighting, tile floors, metal lath. Plans in progress.

NEW JERSEY Contracts Awarded

School Building, Gibbstown, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Gibbstown, N. J. Brick, limestone trimmings, 2 stories, 95x60 feet, slate roof, gum wood floors, slate blackboards (heating, plumbing and electric work separate bids). Contract awarded to Charles D. Burns, Drexel Building, Philadelphia.

Store and Apartment, Trenton, N. J. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, Harry Vine, 324 Calhoun street, Trenton, N. J. Brick, 2 stories, slag roof, steam heating, electric lighting. Contract awarded to Wm. Hicks, Trenton, N. J.

Factory (add.), River and State streets, Camden, N. J. Architects, Ballinger & Perot, 1700 Arch street, Philadelphia. Owners, B. F. Boyer Co., on premises. Brick, 1 story, asphalt felt roof, metal sash, fire doors. Contract awarded to Loos & Dothard, Commonwealth Trust Building, Philadelphia.

School, Riverview, N. J., \$28,710. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, School Board of Upper Penn's Neck Township. Brick, stone trimmings, 2 stories, slag roof, slate blackboards, metal lath. Contract awarded to McCloskey & Bahls, Hale Building, Philadelphia.

Apartment House, Flemington, N. J., \$3,500. Architect, Clarence B. Dilts, Flemington, N. J. Owner's name withheld. Frame, 2 stories, 25x36 feet, shingle roof, steam heating, electric lighting. Contract awarded to Hiram Dilts & Son, Flemington, N. J.

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— 'Los Angeles Evening Herald.'

Miscellaneous Construction News

Residence and Garage, Dover, Del., \$40,000. Architects, De Armond, Ashmead & Bickley, 1529 Walnut street, Philadelphia. Owner, Josiah O. Wolcott, Dupont Building, Wilmington, Del. Brick, 2½ stories, 117x35 feet, shingle roof, vapor heating, electric lighting, hardwood floors, tile work. Architects taking sub-bids, due June 22d.

Experimental Buildings (2), Wilmington, Del. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner, Francis I. duPont, Wilmington, Del. Frame and plaster, 1 story, 16x32 feet each, asbestos shingle roofs, metal lath. Architect taking bids, due June 20th. The following are figuring: Elfreth & Co., 1708 Sansom street; Pomeroy Const. Co., 1609 Ranstead street, Philadelphia; and W. D. Haddock & Co., 804 Orange street, and A. S. Reed & Bro., 315 Shipley street, Wilmington, Del.

Bakery, Fourth and Union streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Delmarvia Baking Co., Wilmington, Del. Brick and steel and terra cotta, 2 stories, 30x30 feet, slag roof, steam heating, combination lighting, steel sash, elevator, steel stairs, dampproofing, baking equipment. Architect taking bids, due June 23d. The following are figuring: W. D. Haddock & Co., J. A. Bader & Co., John E. Healy & Son, A. S. Reed & Bros., C. J. Dougherty, all of Wilmington, Del.

Apartments (6) and Stores (3), West Ninth street, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Mrs. Wm. Hammond, Wilmington, Del. Brick, terra cotta and steel, 3 stories, 65x150 feet, slag roof, steam heating, electric lighting. Plans about completed. Architect will take bids in a few days.

Factory, Third and French streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, W. H. Hartloe, Wilmington, Del. Brick and steel, 2* ½ stories, 40x60 feet, slag roof, steam heating, electric lighting and gas lighting, reinforced concrete floors, elevator, waterproofing and dampproofing, steel sash. Plans in progress.

Residence, Wilmington, Del. Architect, Leon Wilde Crawford, Odd Fellows Temple, Wilmington. Owner, Wm. A. Joslyn, Wilmington, Del. Hollow tile and stucco, 2½ stories, 30x33 feet, slate roof, hot water heating, electric lighting, hardwood floors, waterproofing. Contract awarded to H. P. Carlson, 2430 West Eighteenth street, Wilmington, Del.

Oil Manufacturing Plant, Brooklyn, N. Y. Architect, Clark Dillenback, Reading Terminal, Philadelphia. Owners, Pure Oil Co., 17 Battery Place, New York City. Consists of a group of concrete buildings. Wash house, 2 stories, 40x89 feet and 11x15 feet; garage, 1 story, 45x27 feet; shed, 51x86 feet; filling house, 40x31x49 feet; boiler house, 1 story; pump house, 1 story 17x22 feet; slag roof, metal sash, waterproofing, electric elevator, steam heating, electric lighting, metal doors. Contract awarded to Wm. Kennedy Const. Co., Brooklyn, N. Y.

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MARYLAND

Construction News

Schools (2), Cambridge, Md., \$20,000 and \$8,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Cambridge, Md. Brick, 2 stories. Plans in progress. Details not decided.

Store (alts. and add.), 422-26 South Broadway, Baltimore, Md. Architects, Sparklin & Childs, Law Building, Baltimore. Owner, William Rosenstein, on premises. Brick and cement, tin roof, plastering and skylights. Plans completed. Architects ready for bids.

Business Building, northwest corner Baltimore and Eutaw streets, Baltimore. Architects, Howard Sill & Riggin Buckler, 11 East Pleasant street, Baltimore. Owners, Robert Garrett & Sons, Garrett Building, Baltimore. Brick, slag roof, steam heating, electric work. Plans in progress. Too early for details.

Dormitory, Reistertown, Md., \$40,000. Architect, Kenneth M. Murchison, 101 Park avenue, New York City. Owners, McDonogh School, care E. Stanley Gary, president, Equitable Building, Baltimore. Consists of new dormitory building. Plans in progress. Too early for details.

Stores and Garage, North avenue and Tenth street, Baltimore, \$30,000. Architect, Herbert G. Jery, Munsey Building, Baltimore, Md. Owner, William F. Hempel, on premises. Brick and concrete, fireproof, 1 story, 126x209 feet, slag roof, steam heating, electric lighting, concrete floors. Plans in progress.

Warehouse, Mulberry street and Jasper street, Baltimore, Md. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Gomprecht & Benesch, 316-22 North Eutaw street, Baltimore. Brick, 4 stories, slag roof, electric lighting, elevator. Plans about completed. Architect will take bids in a few days.

Dwelling, Bishop Road, Guilford, Md., \$20,000. Architect, A. L. Forrest, Law Building, Baltimore. Owner, William Pepper Constable, Maryland Trust Building, Baltimore. Brick, 2½ stories, slate roof, hot water heating, electric lighting, tile work. Architects taking bids, due June 24th. The following are figuring: Cowan Building Co., 106 West Madison street; Gladfelter & Chambers, 729 Roland avenue; G. Walter Tovell, Eutaw and McCulloh streets; C. C. Watts, 429 East Twenty-fifth street; I. Smith, 2209 Roslyn avenue Roland Park Co., Roland Park, and W. E. Harn, 217 North Calvert street.

Dwelling, Worthington Valley, Md., \$125,000. Architect, James R. Edmunds, 908 Munsey Building, Baltimore, Md. Owner, C. Wilbur Miller, Garrett Building, Baltimore. Brick, concrete, fireproof construction, stone trimmings, slate roof heating not decided, electric lighting, tile and marble work, hardwood floors, electric elevator, power and refrigeration plant. Gladfelter & Chambers, 729 Roland avenue, Baltimore, Md., are taking sub-bids.

Darien and Shunk streets.

F. J. Foley (O), Tenth and Jefferson sts. Thos. Reilly (C), 1616 Thompson street. Cost, \$9,000. Building, concrete, 2 story, steam heating, 50x47 feet, Hutchison and Jefferson streets.

Penna. Soc. P. C. A. (O), Sixteenth and Chestnut streets. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Cost, \$60,000. Stable and garage, 37x162 feet, 3 stories, steam heating, concrete roof, 922 and 24 N. Broad street.

A. S. Tourison (O), 7014 Boyer street. A. S. Tourison, Jr. (C). Cost, \$53,000. Eight dwellings, stone, hot water heating, slate roofs. One dwelling, 37x39 feet, 226 E. Gorgas lane. Three dwellings, 28x42 feet, 200-6 and 20 E. Gorgas lane. Four dwellings, 27x49 feet, 202-4-22-24 E. Gorgas lane.

Kenin Shapiro and Chadwick (O and C), 6030 Market street. Cost, \$50,800. Eighteen dwellings, brick, 16x34 feet, hot water heating, slag roofs, Tulpehocken and Osceola ave.

Francis B. Bracken (O), Stephen Girard Building. W. J. Stevens (C), Wyncote, Pa. Cost, \$16,000. Dwelling, stone, 48x51 feet, hot water heating, shingle roof, Allens lane and Jefferson street.

St. James The Less Church (O), Thirty-second and Clearfield streets. Wm. R. Dougherty (C), 320 Walnut street. Cost, \$8,000. Dwelling, stone, 20x42 feet, 2 stories, hot water heating, slate work, Thirty-second and Clearfield streets.

The Phila. Club of Alpha Chi Rho. (O), 217-19 S. Thirty-sixth street. Henry M. Kister (C), 621 Sansom street. Cost, \$21,000. Building, brick, 3 stories, 26x54 feet, slate roof, low pressure steam, 217-19 S. Thirty-sixth st.

Bakers Baking Co., Inc. (O), 9 N. Fifty-second street. Bailey Lush Co. (C), 201 N. Broad street. Cost, \$42,000. Building, brick, 112x110 feet, slag roof, steam heating, 911-21 North Fifty-second streets.

Ann C. Schwoerer (O), Fifty-second and Wynnefield avenue. Henry C. Dahl (C), 231 South Eighth street. Cost, \$14,000. Dwelling, stone, 3 stories, 30x56 feet, hot water heating, slag roof, Fifty-second and Wynnefield ave.

Carl A. Mayer (O and C), 232 Olney avenue. Cost, \$6,400. Three dwellings, brick, 2 stories, hot water heating, slag roofs. Two dwellings, 15x43 feet, American and Olney avenue. One dwelling, 16x43 feet, American and Olney avenue.

St. James The Less Church (O), Thirty-second and Clearfield streets. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$8,000. Dwellings, stone, 45x52 feet, 2 stories, slate roof, hot water heating, Thirty-second and Clearfield streets.

A. Petner (O and C), 4570 Bermuda street. Cost, \$7,000. Two dwellings, brick, 16x63 feet, 2 stories, slag roofs, steam heating, Bermuda and Church streets.

Walter G. Gillert (O), Oakley bel. Levick street. Michael Stevens (C), 910 Fanshaw street. Cost, \$5,000. Dwellings, brick, 16x40 feet, 2 stories, slate and slag roof, hot water heating, Gilham and Oakley streets.

Geo. G. Mellay (O), 1419 Spring Garden street. H. H. Burrell (C), 206 South Quince street. Cost, \$12,000. concrete, 2 stories, 70 x115 feet, slag roof, steam heating, 1014-16 N. American street.

Penn Realty & Const. Co. (O and C), Ogontz ab. Cheltenham avenue. Cost, \$13,400. Four dwellings, brick, tile and slag roofs, hot water heating. One dwelling, 20x50 feet. Twentieth and Sixty-fourth avenue. One dwelling, 18x43 feet, Twentieth and Stenton avenue. One dwelling, 26x56 feet, Twentieth and Sixty-fifth avenue. One dwelling, 28x56 feet, Twentieth and Sixty-fourth avenue.

(Continued on page 418.)

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

James Arthur (O and C), 2341 Somerset street. Cost, \$211,700. Eighty-eith dwellings, brick, hot air heating, felt and slag roofs, with fine basements, 2 stories. Sixteen dwellings, 14x39 feet, Janney and Monmouth streets. One dwelling, 16x46 feet, Janney and Ann streets. One dwelling, 14x40 feet, Janney and Monmouth streets. One dwelling, 16x46 feet, Weikel and Ann streets. One dwelling, 16x46 feet, Weikel and Monmouth streets. One dwelling, 16x46 feet, Weikel and Ann streets. Thirty-four dwellings, 14x40 feet, Weikel and Monmouth sts. Thirty-one dwellings, 14x40 feet, Tulip and Monmouth streets. One dwelling, 16x46 feet, Tulip and Monmouth streets. One dwelling, 16x46 feet, Tulip and Ann streets.

Guy King (A), 1513 Walnut street. Edward T. Flood (C), Broad and Venango streets. Cost, \$130,650. Seventy-eight dwellings, brick, 2 stories, hot water heating, slag roofs. One dwelling, 15x40 feet, Willard and E sts. Twenty-two dwellings, 15x37 feet, Willard and E streets. Four dwellings, 15x33 feet, Willard and E streets. Eleven dwellings, 15x43 feet, E and Westmoreland streets. Eleven dwellings, 15x39 feet, E and Hilton streets. Eleven dwellings, 15x43 feet, Hilton and Tampa streets. Two dwellings, 15x39 feet, Hilton and Tampa streets. Two dwellings, 15x24 feet, Hilton and Tampa streets. Two dwellings, 16x52 feet, E street and Allegheny

avenue. One dwelling, 16x60 feet, E street and Allegheny avenue. Ten dwellings, 16x52 feet, E street and Allegheny avenue. One dwelling, 15x39 feet, Westmoreland and Tampa streets. Owners name not given.

A. Sonnenfeld (O and C), 6114 Spruce st. Cost, \$85,000. Twenty-six dwellings, brick, 2 stories, hot water heating, slag roofs. Nine dwellings, 16x58 feet, Cobbs Creek Boulevard and Addison street. Nine dwellings, 16x58 feet, Cobbs Creek Boulevard and Osage sts. Eight dwellings, 16x58 feet, Cobbs Creek Boulevard and Pine street.

Ferdinando Pezzillo, 3347 Almond street, and Nicola Pepe, Harrowgath and Fishers lane (O). Ferdinando Pezzillo (C), 3347 Almond street. Cost, \$71,700. Forty-six dwellings, brick, hot air heating, slag roofs. Six dwellings, 14x41 feet, Ontario and Almond streets. Seventeen dwellings, 14x26 feet, Ontario and Livingston streets. Two dwellings, 15x26 feet, Ontario and Livingston streets. One dwelling, 15x37 feet, Ontario and Almond streets. Seventeen dwellings, 14x37 feet, Ontario and Almond streets; Two dwellings, 16x42 feet, Ontario and Almond streets. One dwelling, 15x42 feet, Almond and Schiller streets.

Fannie Feldman (O), 410 McKean street. Morris Feldman (C), 410 McKean street. Cost, \$24,000. Sixteen dwellings, brick, 16x38 feet, hot air heating, felt and gravel roofs,

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The Philadelphia Real Estate Record and BUILDERS' GUIDE

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Irving Dillon.....Editor

PHILADELPHIA, PA., JUNE 21, 1916.

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Editorial Comment

Charles Harris Whitaker has an open letter in the "Journal" of the American Institute of Architects that sets forth with convincing clarity and comprehensiveness the case of the architectural profession against Congress in the matter of the question of public buildings.

According to Mr. Whitaker, it is the belief of the Institute—the great body of it—that the public building methods of the Congress are now and have been in the past based, not upon the primal requirement which should govern the erection of any building, but upon a method of appropriation which was operated to encourage grass extravagance and which was susceptible of being considered a political expedient rather than a proceeding based upon the public welfare as a whole.

On the other hand, Mr. Whitaker explains, it is the general belief of Congress that the American Institute of Architects is an organization with a selfish purpose. "It believes," Mr. Whitaker says, "that the Institute is a sort of trust or conspiracy to compel the payment of an unjustifiable fee for professional services.

"These beliefs," he continues, "stand in the way of any possibility of such mutual relation as ought to exist. For no man can deny that the talent and experience and wisdom and loyalty and unselfishness of the architects of the United States ought to be at the disposition of Congress. Nor can any man deny that the Congress ought to be willing and eager to avail itself of such a service. Such a condition is prerequisite to any sound, wise, economic and truly American architectural development of the public buildings of the nation.

* * *

"The Institute, like Congress, stands for something above and beyond the petty selfishness of any of its members. The Institute is not concerned with securing work for any individual of any group. The Institute does not care who builds the buildings for the Government, so long as they are beyond reproach as to economy, beauty, and utility. Yet, as the very men who are best fitted to build such buildings for the Government are members of its body, how can it escape the accusation of selfishness when it urges a change in the present method?

"As we have said, the distrust is not all on one side. It is common belief that many members of the Congress are more deeply interested in securing costly public buildings for their constituency than they are in assuming their responsibility to the nation in such a matter. Yet they do not represent the real principle of the Congress. They are not a part of it. Disguised as national servants, they act as private ambassadors. Yet the real Congress does not want what they want. It stands for better things. But out of all these

factors there creep the ugly generalizations which have caused the Institute to be branded as a trust and Congress to be assailed as more devoted to the 'pork barrel' than to the national good when it deals with the public building question."

* * *

The first step toward the improvement of this situation, according to Mr. Whitaker, would be the appointment by Congress of a Public Building Commission, to be composed of not less than three architects of recognized ability and experience and three members of Congress, with a representative of the Treasury department. The task of this commission, he declares, should be a comprehensive report on the following:

"In what manner can suitable preliminary estimates of the size, type and cost of all Government buildings be readily made and presented for the consideration of Congress prior to the making of any appropriation?

"In what manner, if any, can provision be made for utilizing the creative genius of the architects of the United States in the erection of Government buildings?

"In what manner can the Government most widely inaugurate a public building program for the capital, which shall make adequate provision for present and future departmental requirements, end the present policy of encouraging private capital to erect incongruous office buildings, and avoid as far as possible any sudden disturbance of the false real estate values which have been created by the policy of renting rather than erecting buildings?

"In what manner can the nation best provide that all of its buildings enterprises shall be supervised by an authority competent to see that they shall be suitable in design and harmonious with their environments?"

* * *

Such a program, Mr. Whitaker declares, is neither too imposing nor too difficult. "Competent men," he concludes, "can be found for the purpose, and the results of their labor would repay the expenditure many times over in the savings which would ensue, and thousands upon thousands of times over in the inevitable beneficial effect upon the citizenship and the culture of the nation."

* * *

The public building bills introduced into the Sixty-fourth Congress are discussed in the Journal of the American Institute of Architects as follows:

"To understand the present public building policy of the United States it is necessary to begin with the whole list of public building bills introduced into Congress. Upon this subject there have been many generalizations in the past, and very recently public opinion has been aroused by articles in the press. Such articles were based upon the final action of Congress, but thoroughly to understand that

final action, one must view the process as we are presenting it in this issue of the Journal.

"Up to and including May 23, 1916, more than 700 public building bills had been presented to Congress. Of these some 60 were concerned with additions or improvements, and they are not dealt with in the list. The total sum of the appropriations asked for is about \$100,000,000.

"If the Committee on Public Buildings and Grounds of the House, to which all bills presented in the House are referred, should decide to bring in a general public building bill, as has been done in the past, it alone has any idea of what the character of that bill may be. To speak plainly, it seems evident upon a study of these bills that a deplorably large number represent a betrayal of the public trust reposing in their sponsors. The figures are too eloquent to require comment."

* * *

Among the public building bills introduced into the Sixty-fourth Congress were those regarding a new post office site, a new post office building and a new clearing house site for this city, calling for appropriations of \$2,000,000, \$5,000,000 and \$2,000,000, respectively. Also, among the bills affecting Pennsylvania was one for a new post office site at Pittsburgh, calling for an appropriation of \$2,500,000. These, however, are merely the ones in which large sums of money are involved. There are any number which run into the thousands and hundreds of thousands of dollars.

As relating to New York, there was a bill for a new post office site at Brooklyn, calling for an appropriation of \$3,500,000, and a new post office site for the Bronx part of New York City, calling for an appropriation of \$1,000,000.

There were three bills calling for appropriations of \$250,000 each for the purchase of new post office sites in New Jersey.

* * *

Cabot Ward, President of the New York Park Board, is a gentleman of some courage and aggressiveness as well as a man of taste. Commenting on the frequency with which proposals are made to locate statues and other works of "art" in the City Hall Park in New York City, Mr. Ward remarks that had all of these proposals been accepted during the past two years the park itself would not only have been completely filled, but it would present the appearance of a corner of Woodlawn Cemetery.

Mr. Ward holds positive views on the subject of what is good and bad in the monumental category, as the following list goes to show:

Twelve good statues in New York parks are named as follows:

Statue of Nathan Hale in City Hall Park; The Indian Hunter, in Central Park; Auguste Cain's "Tigress and Cubs," Kenny's "Still Hunt," statue of William Cullen Bryant, DePeyster Monument on the Bowling Green,

statue of Lafayette in Union Square, the Faragut Memorial, equestrian statue of Washington, but of Holley in Washington Square, the Hunt Memorial, statue of Gen. Sherman.

The following twelve are called monstrosities:

Garibaldi Monument in Washington Square, the statue of Verdi, bust of Mazzini in Central Park, Sunset Cox in Astor Place, statue of Halleck in the Mall, the Burns Monument, Daniel Webster in Central Park, the Greeley statue in Greeley Square, Scott Monument in the Mall, the statue of Simon Bolivar, Dodge statue in Herald Square, bust of Schiller in Central Park.

* * *

In this connection it might not here be amiss to refer to the suggestion to remove the statue of Joseph Leidy now fenced in pending subway excavations at Philadelphia's City Hall to Logan Square. Just why this Leidy statue was not set up in the first place in the grounds of the University of Pennsylvania, where, properly, it belongs, most persons will confess a curiosity to learn. The tendency to stick up monuments and memorials about the City Hall that are out of key with the general environment is one that we trust will have the attention of the Art Jury.

A splendid example of the injudicious placing of memorials of the kind is the Barry statue in Independence Square. At an expense of thousands of dollars the old buildings and the square are being restored to the appearance they presented in colonial days. In this restoration the Barry statue sounds a distinctly discordant note. That Philadelphia should honor the doughty first commodore of the Revolutionary navy no one will venture to question. To plant this Barry statue right in the middle of the square is, however, at least, of doubtful propriety. It has prevented, for one thing, the complete restoration of the most historic spot of ground in these United States.

* * *

Realizing the large annual losses sustained by thousands of home owners through construction which tends to spread fires instead of retarding them, the Committee on Construction of Buildings of the National Board of Fire Underwriters has issued a booklet of 115 pages on methods of increasing the fire-resistive qualities of dwellings, says "Engineering Record." Builders everywhere, especially in localities outside the control of building ordinances (and by far the majority of ordinary dwellings are built in such localities), will find valuable information in this presentation of methods for making houses reasonably safe from fire. Particularly important, not only for builders, but for owners and the general public, are the section devoted to floor and roof construction; chimneys, flues, smoke-pipes and fireplaces; fire stopping and general precautions for fire protection.

Generally recognized dangers from such old offenders as shingle roofs, unlined chim-

neys, unprotected stairways and shafts are strikingly illustrated, and many simple and effective, while relatively inexpensive, devices in construction which retard the spread of fire are clearly explained. Every potential house owner will find it profitable to become familiar with these building precautions, which may prevent loss of life as well as of property. Engineers, through their positions in building departments and their participation as plain citizens in civic associations, chambers of commerce and similar organizations, can let it be known that ordinary dwellings can readily be improved as to their fire-resistive qualities, and can direct interested parties to the proper source of information.

The General Fireproofing Company, of Youngstown, Ohio, have opened a branch office in the Pennsylvania Building, Fifteenth and Chestnut streets, Philadelphia, Pa., under the management of Mr. Charles Johnston. A move of this kind by so well-known a manufacturer as the General Fireproofing Company is an indication of the growing importance of Philadelphia as a center for the distribution of fireproofing and fire-retarding materials. Until the past few months the General Fireproofing Company have distributed their products through jobbers, which has proven unsatisfactory, and henceforth the consumer will deal directly with the local representative of the factory. The Philadelphia office will have an engineering force for the benefit of architects and contractors in designing and construction of fireproofing buildings.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

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If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



PERMITS FOR NEW BUILDINGS.

(Continued from page 415.)

Wm. T. Field (O and C), Forty-seventh and Spruce streets. Cost, \$73,800. Fourteen dwellings, brick, slag roofs, hot water heating. Two dwellings, 16x55 feet, Forty-sixth and Locust streets. Twelve dwellings, 16x55 feet, Forty-sixth and Locust streets.

Jos. Reale (O), 1440 South Second street. Samuel D. DiMarzo (C), 1208 South Eighth street. Cost, \$2,100. Dwelling, brick, 3 stories, 15x59 feet, hot air heating, 1440 South Second street.

John Craig (O and C), 8521 Germantown avenue. Cost, \$7,000. Two dwellings, stone, 3 stories, 16x47 feet, hot water heating, slate and slag roofs, Graners lane and Ardleigh street, Germantown.

T. L. Bryon (O), Land Title Building. E. E. Cullen, Jr. (C), 1420 Chestnut street. Cost, \$14,000. Four dwellings, brick, 16x34 feet, hot water heating, tin and slag roof, Sherman and Pamana streets.

J. Charles Yundt (O and C), 301 Tabor road. Eight dwellings, brick, 2 stories, hot water heating, felt roofs. Four dwellings, 14x44 feet, Third and Clarkson avenue. One dwelling, 14x42 feet, Third and Clarkson avenue. Three dwellings, 15x44 feet, Second and Clarkson avenue.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

Alterations and Additions

Ferdinand Kellar (O), 1416 South Penn Square. Basch Co. (C), 1436 South Front street. Cost, \$700. Store, brick, general alterations and repairs, 1416 South Penn Square, Philadelphia.

P. R. R. Co. (O and C), Broad Street Station. Cost, \$1,200. Building, brick, 1 story, 17x22 feet, slag roof, Thirty-first and Chestnut streets.

Board of Education (O), Nineteenth above Chestnut street. Standard Construction Co. (C), 822 Drexel Building. Cost, \$5,900. School, stone, enlarging closs windows, Sixtieth and Cedar avenue.

Board of Education (O), Nineteenth above Chestnut street. Standard Construction Co. (C), 822 Drexel Building. Cost, \$6,000. School, stone, new fire escapes and enlarging windows, Front and Christian streets.

Kenin Shapiro & Chadwick (O and C), 6030 Market street. Cost, \$4,000. Ten garages, brick, 1 story, 13x18 feet, Tulpehockin and Osceola avenue.

Texas Co. (O and C), Morris Building. Cost \$700. Office, steel and glass, 1 story, 10x15 feet, Castor avenue and Boulevard, Philadelphia.

Texas Co. (O and C), Morris Building. Cost, \$600. Dwelling, steel and iron, 1 story, 10x15 feet, McKean street and Commercial avenue.

Phila. Sign Co. (C), 1315 South Eleventh street. Sign, angle iron structure and anchorage, 28x150 feet, Broad and Walnut streets.

A. Branc (O), 226 N. Illinois avenue, Atlantic City. Geo. C. Grosse (C), 511 North Indiana avenue, Atlantic City, N. J. Cost, \$1,000. Dwelling, brick, general alterations, 1137 Lombard street, Philadelphia.

Conrad Buck (O), Edmund and Bridge streets. Haas & Doettling (C), 2126 North Fourth street. Cost, \$600. Garage, brick, 16 x22 feet, Edmund and Bridge streets.

Home for Homeless (O), 1327 Fitzwater st. Wilbert O. Spunger (C), 1624 Latimer street. Cost, \$1,400. Home, brick, second-story addition, 19x24 feet, and toilet additions, 1327 Fitzwater street.

Morris Wenger (O), 1229 Walnut street. Cementite Paving Co. (C), Drexel Building. Cost, \$4,000. Store, brick, erect elevator shaft to first floor and general alterations, 1229 Walnut street.

Friends Almshouse Estate (O), Walnut Place. R. C. Ballinger & Co. (C), 218 North Twelfth street. Cost, \$1,500. Brick, 1 story rear addition, 50x13 feet, slag roof, 318 to 22 Walnut street.

Schugael (O), 4217 Germantown avenue. Wm. Clifford (C), 4420 North Sixteenth street. Store and dwelling, brick, general alterations, 4123 Germantown avenue.

J. M. Thompson (O), 3260 Ludlow street. S. M. Wilson (C), 4072 Haverford avenue. Cost, \$500. Hot water heating, 3216 Woodland avenue.

W. S. Peace (O), Seventieth avenue. C. E. Lloyd, Jr. (C), Oak Lane. Cost, \$900. Garage, frame, 19x21 feet, slate roof, Seventieth avenue and Twelfth street.

Gustau Wrie (O), 433 Northeast Boulevard. Joseph Seen Co. (C), 1530 South Sixth street. Cost, \$1,350. Garage, brick, 30x110 feet, and general alterations, 835-7 Morris street.

W. S. Miller (O), 2307 South street. Philip Savor (C), 713 Snyder avenue. Cost, \$2,100. Building, brick, 2 stories, rear addition, 19x

41 feet, slag roof, 2312 South street.

B. Finhery (O), 717 Walnut street. A Barsky (C), 636 Pine street. Cost, \$500. Store, brick, rebuild rear and side walls, 504 North Second street.

Michael Gugiewicz (O), 134 Roxborough st. John J. Hurley (C), 4416 Cresson street. Cost, \$600. Dwellings, brick, 2 stories, rear addition, 12x16 feet, tin roof, 127 Walnut Lane, Germantown.

Air Reduction Co. (O), Germantown and Sedgley avenues. Wm. Steel & Sons (C), 1600 Arch street. Cost, \$2,000. Concrete railroad trestle, southeast corner Germantown and Sedgley avenues.

Thomas Collins (O), 150 West Horter street. Stokes Bros. (C), 6723 Musgrave street. Cost, \$500. Brick, 1 story, 14x8 feet, 150 West Horter street.

M. Jennings (O), Fifth and Washington avenue. Specialty Engr. Co. (C), Allegheny and Trenton avenues. Cost, \$8,000. 2000-ton coal pocket, 35x120 feet, on trestle, Fifth and Washington avenue.

M. Portuondo (O), 3223 Chestnut street. Geo. C. Dougherty (C), 1725 Ludlow street. Cost, \$1,400. Dwelling, brick, 1 story rear addition, 15x22 feet, 3223 Chestnut street.

Thos .C. Duffey (O and C), 302 N. Frazier street. Cost, \$1,000. Garage, brick, 1 story, 31x50 feet, 304-6 North Frazier street.

John N. Steen (O), 2416 North Fifty-fourth street. Jas. Y. Rippin (C), Fifty-fourth and Wynnefield avenue. Cost, \$500. Garage, hollow tile, 12x18 feet, 1 story, slag roof, Fifty-fourth and Overbrook avenue.

Miss Thompson (O), 2118 North Nineteenth street. Diamond Building Co. (C), 1811 Columbia avenue. Cost, \$500. Second and third story rear porch, 12x8 feet, 2118 North Nineteenth street.

F. & E. Anbel (O and C), 2503 Germantown avenue. Cost, \$500. Storage, brick, 1 story addition, 18x40 feet, 2504-06 Cadwallader st.

G. Sanicolo (O and C), 1135 South Fifth street. Cost, \$700. Store, brick, general alterations and repairs, 1135 South Nineteenth street.

The Barrett Co. (O), Frankford, Philadelphia. A. L. Carhart (C), 1326 Chestnut street. Cost, \$8,500. Building, brick, two 1-story buildings, 60x70 feet, as plans. Stiles and Wakeling streets.

Wm. Buholz (O), northwest corner Twentieth and Arch streets. Wm. N. Thompson (C), 1529 Filbert street. Cost, \$1,150. Building, brick, repair fire damage, northwest corner Twentieth and Arch streets.

G. Diliceo (O), 4962 Kreshaw avenue. Sebastian & Grilli (C), 1340 Ellsworth street. Cost, \$500. Dwelling, brick, 2 story rear addition, 16x11 feet, 4962 Kreshaw avenue.

John R. Wilson (O and C), 5644 Greenway avenue. Cost, \$1,000. Garage, brick, 1 story, 320x16 feet, Fifty-sixth and Greenway avenue.

Jacob and Anna Forman (O), 2747 Germantown avenue. Frank I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$2,600. Store and dwelling, brick, 1 story side addition, 3x12 feet, second-story rear addition, 12 x21 feet, hot water heating, 2747 Germantown avenue.

Sam. W. Pavonarius (O), 6121 Columbia avenue. Frank I. Wintz (C), 1618 N. Twenty-seventh street. Cost, \$1,100. Garage, brick, 1 story, 25x31 feet, slag roof, 6121 Columbia avenue.

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E. A. Muckle (O), 2008 E. Cheltenham avenue. Thos. J. Carberry (C), 1215 Filbert street. Cost, \$1,190. Dwelling, brick, 1 story, front addition, 16x20 feet, 4-ply slag roof, 2008 E. Cheltenham avenue.

Chas. & Nachod Brewing Co. (O), Tenth and Montgomery Avenue. Henry P. Schneider (C), 3713 York road. Cost, \$1,000. Hotel, brick, general alterations, 631-33 Arch street.

Penna. R. R. Co. (O), Broad Street Station. Chas. McCaul Co. (C), 1715 Sansom street. Cost, \$20,000. New elevator hatch, brick, Seventeenth and Filbert street.

Alfred S. Powell (O), 1313 Fairmount avenue. H. Rensswick (C), 137 North Tenth street. Cost, \$1,500. Building, brick, 1 story addition, 18x62 feet, 1308 Olive street.

White Rock Baptist Church (O), 612 North Thirty-sixth street. Robert W. Groff Co. (C), 721 North Forty-fifth street. Cost, \$1,500. Church, brick, general alterations and repairs, 705 and 7 North Forty-fifth street.

Bell Bakery Co. (O), Belgrade and Allegheny avenue. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$1,000. Building, brick, room 22x17 feet, wire lath and plaster, Belgrade and Allegheny avenue.

Pearl Kurtz (O), Howard and Girard avenue. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$500. Repair fire damage, Howard and Girard avenue.

W. E. Gibson (O), 125 South Eleventh st. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$500. Building, brick, repair fire damage, 125 South Eleventh street.

Frederick L. Leeds (O and C), 5134 Columbia avenue. Cost, \$500. Garage, brick, 12x18 feet, 1 story, tile roof, 5134 Columbia avenue.

Bennett & Aspden (O), 4347 Manayunk avenue. C. M. Swortley (C), 6835 Ridge avenue. Cost, \$900. Garage, brick, 1 story, 27x22 feet, Pechen and Krams avenue.

Francis C. Fitzpatrick (O), 5347 Lansdowne avenue. Frank A. Fitzpatrick (C), 1525-27 N. Sixtieth street. Cost, \$1,000. Dwelling, brick, third-story rear addition, 16x16 feet, 16x16 feet, 1539-41 North Sixtieth street.

J. F. Betz Estate (O), Continental Equit-

able Trust Co. John McShane (C), 1610 North street. Cost, \$600. Store, brick, general alterations and repairs, southwest corner Broad and Girard avenue.

Samuel Brabelsky (O), 208 Delancey st. Nathan Resinsky (C), 520 Dickinson street. Cost, \$545. Store, brick, general repairs and alterations, 208 Delancey street.

C. W. Eltonhead (O), 320 South Front st. H. C. Dahl (C), 231 South Eighth street. Cost, \$600. Warehouse, brick, 1 story side addition, 33x38 feet, 108-10 Spruce street.

Stellwagon Mfg. Co. (O), southwest corner Nineteenth and Washington avenue. J. B. Jordan (C), 1335 South Fifty-eighth street. Storehouse, brick, 1 story, 30x108 feet, as plans, Second and York streets.

Poor Richard Club (O), Camac below Locust street. Doyle & Co. (C), 1519 Sansom street. Cost, \$2,000. Temporary grandstands, Commercial Museums, Thirty-fourth and Vintage

Rt. Rev. Archbishop (O), Eighteenth and Race streets. Wm. J. McShane (C), 417 S. Thirtieth street. Cost, \$13,356. School, 2-story rear addition, 60x25 feet, stone, slag roof; 2-story side addition, 10x31 feet, stone, slag roof, Thirtieth and Dickinson sts.

Clark Estate (O), 2427 North Front street. C. Bonner (C), 2636 North Front street. Cost, \$2,100. Building, brick, 2 stories, 32x58 feet, 2423 and 25 North Front street.

N. Haines Estate (O), Fifty-fourth and Haverford streets. Christian E. White Co. (C), 511 North Sixty-third street. Cost, \$500. Brick, 1 story rear addition, 16x46 feet, Fifty-fourth and Haverford avenue.

J. Clarfeld (O), 809-11 South street. Jacob Bender (C), 1817 South Fourth street. Cost, \$1,500. Store, brick, general interior alterations, 809-11 South street.

Newton Aspden (O), 496 Lyceum avenue. M. Sworthy (C), 6835 Ridge avenue. Cost, \$1,000. Garage, stone, 1 story, 25x22 feet, slate roof, Gates street and Ridge avenue.

M. Tolster (O), 1927 North Twenty-third street. M. H. Brown (C), 2718 North Twenty-eighth street. Cost, \$1,100. Saloon, brick, general repairs, 2335 Ridge avenue.

themselves a few years along the road of life with families to support and other mouths than their own to feed.

Fifteen years ago the arbitration board of one of the big trades was engaged in their interminable pow-wow about wages; the men wanted more and the employers were stalling them with talk. Every time the union got a five cent raise (per hour) it discovered that the cost of living was more than keeping pace. (Why it should have so singled out the unionists when some millions of other workmen all over this broad land were NOT getting forty cents a day piled on top of four dollars that they were NOT getting, is an interesting question but not to be discussed here.) It took two years for the union to palaver this five cent raise out of the bosses—but I am getting ahead of my story.

One of the workmen-members of the board made a speech in favor of the raise. He expatiated on the tribulations and trials of his constituents, the hardship of their lives, the precariousness of their living. "We thought when we got forty-five cents an hour" (\$3.60 per day) "that we were going to be able to buy porterhouse steaks, but we found we couldn't. When we got fifty cents" (\$4.00 per day) "we didn't find the many nearer."

So they didn't; and now nearing the dollar mark they are further away than ever. That is my statement, not the workman's. The fact is that the workingmen were violating an economic law and have been ever since they started having their own way about wages. They have been traveling in the wrong direction—away from porterhouse steaks instead of toward them.

Their situation is an example of the fact that you can lead a horse to water but you cannot make him drink. They can fix the wages and their bosses can chime in, but they do not make jobs thereby. Do you think they ever will?

Of course the uncertainty of porterhouse steaks is really a logical result of certain causes. The everlasting upward advance of wages has been met by an ever increasing uncertainty of work. It is the way Nature's law acts. When I said back there that they were violating the law of supply and demand I meant that they were trying to.

There's a struggle going on now, a struggle upon which the light of publicity is shining brightly, but the struggle is blind, as yet, and the onlookers do not understand, as yet, even though they see every move.

I said at the beginning of this that I doubted whether the subject of trade unions has ever been given any thought by practical people. I say it again. That unionist who had figured out the mournful conclusion about porterhouse steaks had thought and thought and thought till his brains were numb and he hadn't got an inkling of what was the matter. If he were reading this he wouldn't understand, and of course he wouldn't believe me

UNIONS AND PORTER HOUSE STEAKS

There is considerable doubt in my mind whether the subject of trade unions has ever been given any thought by practical people. Books have been written about them, histories, compilations of statistics, statements of their number, membership, rates and so forth.

They are supposed to be, from one point of view, idealistic and altruistic combinations having for their object the greatest good to—the members, and a corresponding or attendant benefit to society through raising the standard of living of all who come in contact with them through the increased scattering of money wherever they are; more to spend and more to be gathered from the spenders.

From another point of view, they are looked upon as an institution of the evil one, practicing all sorts of illegal outrages on non-members, or in other words those who do not belong but may wish to pursue the work which this or that particular union claims as its monopoly.

I do not intend to try to prove anything about them, whether they are good or bad, wise or foolish. One or two interesting facts are to be noted; that's all. For instance, they are seemingly immune from all control of the law of supply and demand. All other commodities, including all un-unionized labor, go up and down with the times, dear when scarce, cheap when plentiful; but union labor goes upward forever.

I do not believe there has been a single hitch or stoppage in the advance of rates of wages since the beginning of unionism. Gasoline goes up and down—principally up nowadays, alas! Automobiles go down, and so forth, all in answer to the law of supply and demand. But labor always soars.

Another interesting fact is that the members of trade unions who depend on their trade for a living are not a prosperous lot. A few favored ones there are and always will be, but as a class their happy days are past when their apprenticeship ends and they find

if I told him that the unions were going the wrong way.

But enough of this! Maybe someone thinks I mean that porterhouse steaks are not intended for any workman. I don't mean that either.

But I must be about my business.

There's a great non-union belt in this country, the great area which lies between Buffalo and Chicago. The centre of it is Detroit, and around that centre lie a hundred grand American towns as far up as Lake Superior and as far down as the Ohio River. A great industry has grown up in that belt

where there were no unions to interfere to uplift the downtrodden workingmen and take the cruel boss' heel off their necks. There, in that favored land, a man named Ford built up an industry without a bit of unionism anywhere in it, and if I am not misinformed there's a large consumption of porterhouse steaks in the vicinity and wages are not only high, but there is plenty of work. And God grant that there always shall be.

But what do you think Henry Ford could have done if he had a panoply of unions to tell him how to run his business?—Theodore Starrett, in "Architecture and Building."

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**Charles T. Sleight, 136 Washington street, Paterson, N. J., architect, desires literature pertaining to coal conveying machinery.

**M. E. Smith, formerly connected with the Multi-Lux Illuminating Co., of Cleveland, O., and later with the Beardslee Chandelier Co., of Chicago, Ill., has become engineer and manager of the commercial lighting department of L. Plaut & Co., 432 East 23d street, New York.

**E. B. Croft and F. C. Boerner, architects and engineers, have formed a partnership under the firm name of Croft & Boerner, and have opened offices in the Place Building, Minneapolis, Minn. The new firm desires catalogues and samples of building material and supplies. Mr. Croft and Mr. Boerner were formerly connected with the Turner Construction Co., 11 Broadway, Manhattan.

**At the annual meeting of the Cement Products Exhibition Co., held May 23, the following officers were elected: President, B. F. Affleck; vice-president, A. Y. Gowen; secretary, Blaine S. Smith; treasurer, J. U. C. McDaniel.

**The Hay bill pending in Congress seeks to standardize the barrel of lime. Washington advices state that the bill establishes a large and small barrel of lime, the large barrel of 280 pounds, and the small barrel 180 pounds net weight. It also provides that the net contents shall be stenciled on one or both heads of the barrel. A further provision is made that when a jobber or local dealer sells lime in quantities of more than one barrel and delivers it in barrels which are not headed and are used merely as containers, then nothing in the act shall be deemed to require that the barrels be marked as provided in this section or that each individual barrel contain either of the standard weights established, but he shall nevertheless deliver a total weight equivalent

to the total weight of the large or small barrels represented sold or charged for by him or purported to be delivered by him pursuant to an order.

**The Sun Shipbuilding Co., of Philadelphia, Pa., has awarded a contract to the Raymond Concrete Pile Co., of New York and Chicago, for the concrete piling and reinforced concrete foundations for their machine shops, crane runways, and five launching ways to be built at their new shipbuilding plant at Chester, Pa.

**The asbestos of the world is supplied chiefly by Canada. Most of it is exported free of duty to the United States, the greatest manufacturer and user of asbestos products. The average price per ton at point of shipping of crude No. 1 asbestos during the year 1915, according to government statistics, was \$274.11; crude No. 2, \$122.39; mill stock No. 1, \$52.40; mill stock, No. 2, \$19.99.

**An order in council by the Government at Ottawa, Canada, March 25, 1916, placed an embargo on the shipment of asbestos from Canada to other than British ports, but permitted shipments to the allied countries, France, Russia, Italy, Japan and Portugal, all special licenses being granted by the British consul. As this absolutely shut out the consumers of asbestos in the United States, it was demonstrated to the government at Ottawa that this would work a great hardship on American manufacturers and consumers and the embargo has consequently been modified to the extent of permitting shipments of crude asbestos to enter the United States on the guaranty from the manufacturers and in turn from their customers that none of the crude or manufactured material will be re-exported from the United States except as provided for in the original circular.

OUR DUAL WATER SYSTEM.

An undeveloped city asset exists in the mileage of the extended system of high pressure fire mains, which, beginning with next month and for nearly a half year thereafter, could be made to contribute a daily, rather than an occasional, service in supplying water for flushing, cooling and cleansing the streets. In time Philadelphia may come to make such utilization of these mains, and direct pumpage from the Delaware might even be utilized, without serious interference with their primary purpose of fighting fire, in supplying water to the big industrial consumers that now constitute such a heavy drain upon the filtration system. For with the possession of the nucleus of a dual service, it seems expensive and wasteful to continue "manufacturing" pure water to be delivered to power houses.

The water supply system of Paris affords, in its various divisions and kinds of water supplied, an example of what can be done on a smaller scale in Philadelphia. The French capital, long noted for the spick and span appearance of its highways, does not use its drinking water to flush the streets or to be turned into steam. The Parisian knows of "source water" and river water, and it is the former that constitutes the basis of the "domestic" supply or the water that enters into the preparation of foodstuffs and is used as drinking water.

To obtain pure drinking or "source water," Paris was compelled to go to the Dhuis, the Vanne and the Avre, the nearest sixty miles from the city and the farthest one hundred and ten miles from the city. The river water comes from the Seine, the Marne and the Oureq. The bulk of the service is metered, and the meter rates are proportioned according to the rental value of the apartments or dwellings. But strict regulations prevail as to the proper use of the different classes of water and the "source water," which ordinarily costs from two to three times as much on the meter rates as the river water, is reserved solely for domestic and a few special uses.

Just how much filtered water is used locally for cleaning streets is not known, but the specifications of the Bureau of Highways call for the daily flushing of all main streets between South and Poplar streets, so that in the course of every twenty-four hours there must be a considerable quantity of water consumed in this way. The high pressure mains, too, are not idle when there is no occasion for their service in extinguishing fires. For seventy pounds pressure, equal in amount to that on all other street mains, is required to be maintained in these pipes at all times, so that their use for flushing, and, even their connection with the industrial establishments, would not entail any heavy added cost.—Philadelphia "Bulletin."

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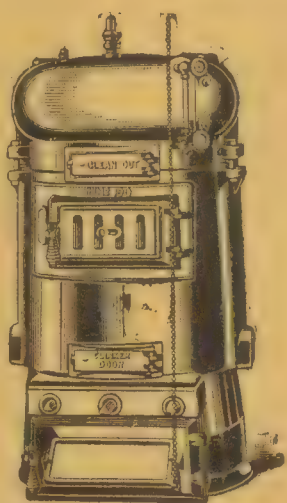
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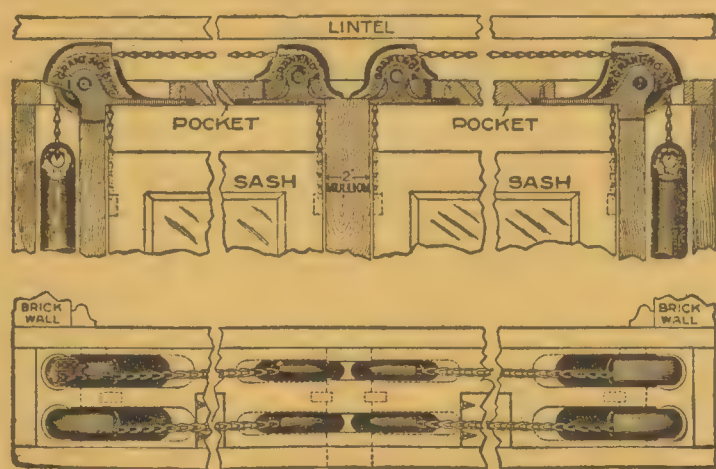
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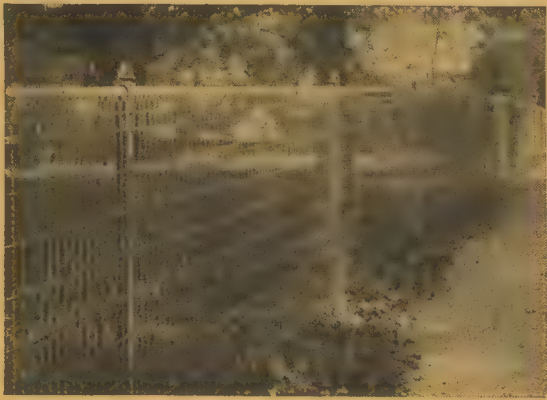
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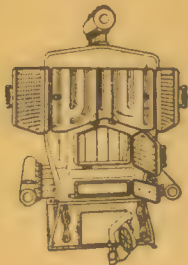
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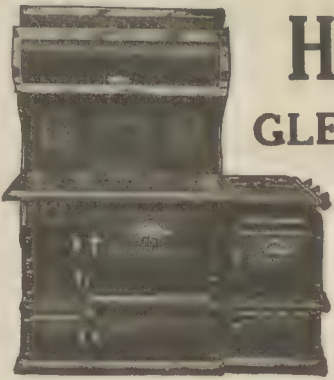
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Vol. XXXI, No. 26.

PHILADELPHIA, WEDNESDAY, JUNE 28, 1916.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Garage, Thirty-sixth and Gray's Ferry road. Architect, private plans. Owners, the Barrett Co., on premises. Brick and reinforced concrete, 1 story, 29x216 feet, dampproofing, metal sash, metal covered doors (electric work reserved). Owners taking bids, due July 1st. Charles J. Appleton, Heed Building, is figuring.

Store House, Port Richmond, Philadelphia. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Brick and concrete, 3 stories, 80x50 feet, slag roof, steam heating, electric lighting, hollow tile partitions, steel sash, fire doors, safety treads, metal doors, metal lockers, electric elevator. Owners taking bids, due June 29th. The following are figuring, in addition to those previously reported: Charles McCaul Co., 1713 Sansom street; Turner Concrete Steel Co., 1713 Sansom street; John N. Gill & Co., Heed Building; Specht & Sperry, Heed Building; Charles Gilpin, Harrison Building, Philadelphia.

College Buildings (alts.), Girard College, Philadelphia. Architect, J. H. Windrim, Commonwealth Building, Philadelphia. Owners, Stephen Girard Estate, Lafayette Building, Philadelphia. Consists of alterations to four buildings, metal lath, metal doors, electric lighting. Architect taking bids, due June 29th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; Pomeroy Construction Co., 1609 Ransstead street; H. E. Baton, Twelfth and Sansom streets; F. W. Van Loon, Denckla Building; Cramp & Co., Denckla Building.

Gymnasium (alt. and add.), Main and Coulter streets. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, Germantown Friends' School, on premises. Brick and stone, 2 stories, reinforced concrete floors, metal sash, metal lath, maple floors, safety treads (lockers reserved). Architects have received bids.

Loft Building, 1219 to 1223 Vine street, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Claude S. Jarvis, 1217 Vine street, Philadelphia. Brick, concrete and terra cotta, 3 stor-

ies, 57x140 feet, composition roof, steam heating, electric lighting, metal lath, dampproofing, sprinkler system, elevator, kalamein doors, steel sash, fire doors, roof ventilators, tile work, maple floors. Architects have received bids.

Bath House (add.), 973 and 975 North Seventh street, Philadelphia. Architect, R. Beard, 1414 Arch street, Philadelphia. Owner, S. Bershad, on premises. Brick, 1 story, slag roof, metal lath, tile work (heating and plumbing reserved). Owner taking bids, due June 26th. The following are figuring: Lam Building Co., 1001 Wood street; Freund-Siedenbach Co., Bulletin Building; B. Bernstein, 1510 North Franklin street.

Factory (add.), Stenton and Wyoming avenues. Architect, Charles W. Denny, Hale Building, Philadelphia. Owners, National Drug Co., on premises. Brick and concrete, 3 stories, 95x48 feet, slag or asphalt roof, pine floors, metal sash, fire doors (heating, electric work, sprinklers, separate bids). Architect taking bids, due June 28th. F. L. Hoover & Sons, 1023 Cherry street, are figuring. Architect also taking sub-bids.

Store Building, 671 North Broad street, Philadelphia. Architect, Le Roy B. Rothchild, Bulletin Building, Philadelphia. Owner, Oscar Isenberg, 203 North Broad street, Philadelphia. Brick and terra cotta, 2 stories, 18x60 feet, slag roof, steam heating, electric lighting. Plans in progress. Architect will take bids in one week.

Residence (alts.), 1713 Spruce street, Philadelphia. Architect, Carl P. Berger, 1418 South Penn Square, Philadelphia. Owner, Dr. David Riesman, on premises. Brick, 4 stories, electric lighting, slate roof, steam heating, hardwood floors. Architect has received bids.

Residence, Lincoln Drive and Carpenter street, Germantown. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, John E. Wick, 931 Market street, Philadelphia. Stone, 2½ stories. Plans in progress. Too early for details.

Club House (alt. and add.), 1919 Green st., Philadelphia. Architect, private plans. Owners, Grenoble Club, on premises. Consists of general interior and exterior alterations, back

addition, 2 stories, 35x50 feet, slag roof, steam heating, electric lighting, tile work, composition floors. Owners have received bids.

Recreation Building, Fifty-first and Chester avenue, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Board of Recreation, City Hall, Philadelphia. Brick, stone and terra cotta, 2½ stories, 202x85 feet, slate roof, metal lath, roof ventilators, iron stairs, steel lockers (heating, plumbing and electric work separate bids). Owners taking bids, due July 7th at noon. In addition to those previously reported, W. W. Anstine & Co., 1218 Filbert street; Frank G. Stewart, 1619 Sansom street; Peoples Bros., Commercial Trust Building; Thos. Reilly, 1616 Thompson street; Henry L. Brown, 1714 Sansom street; E. F. Fonder, Land Title Building; W. Beaumont, Stephen Girard Building; John N. Gill & Co., Heed Building; P. J. Hurley, 1233 Cherry street; Warren, Moore & Co., Commercial Trust Building, Philadelphia, are figuring.

Stores (alts.), northeast corner Broad and Walnut streets, Philadelphia. Architects, E. J. Holmes & Co., & C. Wharton Churchman, 1525 Locust street, Philadelphia. Owners, Broad Street Realty Co., Land Title Building, Philadelphia. Consists of alterations to first floor and basement, linotile floors, metal lath. Architects have received bids.

Garage, Fifty-ninth and Walnut streets, Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner, L. H. Leedom, on premises. Brick, 1 story, 98x16 feet, slag roof, electric lighting, steam heating, cement floors. Owner is taking bids, due July 1st. The following are figuring: James H. Wells, Heed Building; Elfreth & Wood, 1706 Sansom street; J. D. Fischer, 5718 Market street; Harry A. Paxson, 6004 Market street.

Bank and Office Building, northeast corner of Thirteenth and Market streets, Philadelphia. A Architect, Alfred C. Bosson, 366 Fifth avenue, New York City. Owners, Colonial Trust Co., on premises. Brick, stone, terra cotta, concrete and steel, 13 stories, 342x100 feet, slag, tile, asbestos and asphalt roof, steam heating, electric lighting, metal lath,

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ing are figuring: Roydhouse-Arey Co., Fidel-
ity Building; Irwin & Leighton, 126 North
Twelfth street; Metzger & Fisher, Denckla
Building; Cramp & Co., Denckla Building,
Pomeroy Const. Co., 1609 Ranstead street;
Charles McCaul Co., 1713 Sansom street; H.
E. Baton, Twelfth and Sansom streets; War-
ren, Moore & Co., Commercial Trust Build-
ing; Doyle & Co., 1519 Sansom street; Fidel-
ity Const. Co., Heed Building, all of Phila-
delphia; John H. Parker & Co., Wells Const.
Co., Turner Const. Co., James Stewart Co.,

and the Keystone Fireproofing Co., all of New
York City.

Tunnel, Wishart near Emerald street, \$2,500.
Engineers, Day & Zimmerman, 611 Chestnut
street, Philadelphia. Owners, Cleveland Worst-
ed Mills, on premises. Reinforced concrete,
waterproofing, fire doors. Engineers taking
bids. The following are figuring: A. Ray-
mond Raff Construction Co., 1635 Thompson
street; Cramp & Co., Denckla Building; Ir-
win & Leighton, 126 North Twelfth street;
Doyle & Co., 1519 Sansom street; Metzger &
Fisher, Denckla Building; George & Borst,
277 South Eleventh street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Residence (alts.), 4512 Chester avenue,
Philadelphia. Architects, Mills & Van Kirk,
Harrison Building, Philadelphia. Owner, Jas.
M. Wagar, on premises. Consists of general
alterations, hot water heating, electric work,
plumbing, tile work, hardwood floors. Con-
tract awarded to James M. Tighe Co., 245
North Eleventh street.

Residence, Overbrook, Philadelphia, \$20,000.
Architect, Frank Seeburger & C. F. Rabenold,
Pennsylvania Building. Owner, E. O. Lewis,
Commercial Trust Building, Philadelphia.
Stone, 2 1/2 stories, 30x75 feet, slate roof, hot
water heating, electric lighting, oak floors,
tile work. Contract awarded to Alfred
James, Bala, Pa.

School (alts.), Fifteenth and Race streets,
Philadelphia. Architects, Heacock & Hoka-
som, Bailey Building, Philadelphia. Owners,
Friends' Central School, on premises. Con-
sists of interior alterations for a cooking
school. Contract awarded to F. B. Davis, 240
North Sixteenth street, Philadelphia.

Cottage and Greenhouse, Chestnut Hill,
Philadelphia. Architects, Karcher & Smith,
34 South Seventeenth street, Philadelphia.
Owner's name withheld. Brick, 1 1/2 stories;
cottage, 22x28 feet, and greenhouse, 50x18
feet, shingle roof, electric lighting (heating

reserved). Contract awarded to I. A. Dunkel-
berger, 71 East Herman street.

Sunday School, southwest corner Twenty-
ninth and Lehigh avenue, Philadelphia. Ar-
chitect, Armando D. Alcantara, 2962 North
Bailey street. Owners, Calvary Reformed
Church, Rev. F. H. Fisher, 2638 North Twen-
ty-ninth street, Philadelphia. Stone and brick,
2 1/2 stories, 40x80 feet, slate roof, steam heat-
ing, electric lighting, tile work, dampproofing.
Contract awarded to Henry P. Schneider, 3713
Old York road, Philadelphia.

Residence and Garage, St. Martins, Phila-
delphia. Architect, Robert Rodes McGood-
win, 1422 Walnut street, Philadelphia. Own-
er, Dr. George Woodward, North American
Building, Philadelphia. Stone, 2 1/2 stories,
29x60 feet, shingle roof, electric lighting, pine
floors, tile work, metal lath (heating reserv-
ed). Contract awarded to John E. Walt, 204
East Willow Grove avenue.

Residence (alt. and add.), Germantown ave-
nue, Chestnut Hill. Architects, Savery &
Scheetz, Stephen Girard Building, Philadel-
phia. Owner's name withheld. Brick and
plaster, 3 stories, tin roof, hot water heating,
electric lighting, oak floors, tile work, metal
lath. Contract awarded to Wolverson & Col-
lins, 7930 Germantown avenue.

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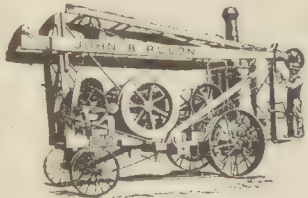
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Residence and Garage, Oak Lane, Philadelphia. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, M. C. Furstenau, 509 Independence avenue, Oak Lane. Hollow tile, 3 stories, 32x32 feet, and

1 story, 17x22 feet, hot water heating, hardwood floors, green slate roofs, electric and gas lighting, tile work. Contract awarded to George A. Boyd, 211 East Willow Grove avenue, Germantown.

PENNSYLVANIA

Construction News

Model Village (300 Residences), Phillipsburg, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owners, Chamber of Commerce, care of Mr. Green, secretary, Phillipsburg. Yellow brick, 2 stories, 15x34 feet, slag roofs, electric lighting, central heating plant, tile work. Consists of workingmen's cottages, clerk's cottages, etc. Plans in progress.

Garage, Bryn Mawr, Pa. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, J. Henry Longmaid, Bryn Mawr, Pa. Brick and terra cotta, 1½ stories, 33x22 feet, shingle roof. Architect taking bids. Jacob Myers & Sons, Witherspoon Building, Philadelphia, are figuring (only bidders).

School (add.), Collingdale, Pa. Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owners, School Board of Collingdale, Walter H. Milburn, secretary. Brick and terra cotta, 2 stories, 50x90 feet, slag and tin roof, maple floors (roof ventilators, heating, plumbing and lighting separate bids). Lowest bid submitted by D. P. Gotshall, Darby, Pa.

Warehouse, corner Dewberry and Strawberry streets, Harrisburg, \$30,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Dives, Pomeroy & Stewart, Harrisburg, Pa. Reinforced concrete, brick and steel, 5 stories, 53x111 feet, composition roof, steam heating, electric lighting, reinforced concrete floors, metal sash and doors, damp-proofing, elevator, sprinkler system. Architect taking bids, due June 23rd, at 3 P. M.

Residences (18), Yeadon, Pa. Architects, J. Fletcher Street, Joseph N. Hettel, George S. Idell and Frederick J. Wurster. Owner, Theodore C. Presser, 1712 Chestnut street, Philadelphia. Agent, J. C. Fuller, 10 South Eighteenth street, Philadelphia. Brick, hollow tile and plaster, 2½ stories each, shingle and slate roof, pine floors, tile work, electric lightin (heating reserved). Agent taking bids, due June 30th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; William R. Dougherty, 1610 Sansom street; Metzger & Fisher, Denckla Building; James H. Wells, Heed Building; Jacob Myers & Sons, Witherspoon Building; Smith-Hardican Co., 1606 Cherry street; W. Percival Johnson, 4039 Lancaster avenue; Robert Killough, Wayne avenue and Duval street, Philadelphia.

Residence (alt. and add.), Rosemont, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owner, George H. McFadden, Rosemont, Pa. Consists of interior alterations, plumbing, slate roof, new heating system, electric lighting. Architects taking bids, due June 30th. The following are figuring: F. E. Wallace, 1220 Chancellor street; W. Harry Roberts, Ardmore,

Pa.; Frank H. Mahan, Ardmore, and J. D. Lengle, Wayne, Pa.

Residence, Oakmont, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Melvin Detwiler, care of architects. Brick and plaster, 2½ stories, 24x40 feet. Architects taking bids, due June 30th. The following are figuring: Monaghan & Losse, 3016 Chestnut street; McCloskey & Bahls, Hale Building; George W. Deaves, Oakmont, Pa.; W. Harry Roberts, Ardmore, Pa.

Residence and Garage, Ardmore, Pa. Architects, Tilden & Register, 1713 Sansom street, Philadelphia. Owner, Mrs. Henry Allen Dalley, Ardmore, Pa. Brick, hollow tile and plaster, 2½ stories, 60x40 feet; garage, 20x12 feet, shingle roof, hot water heating, electric lighting, tile work, gum wood floors. Architects have received approximate bids.

Dormitory, Refectory and Gymnasium, Lancaster, Pa., \$100,000. Architects, Dillon, McLellan & Bodel, 3 West Twenty-ninth street, New York City. Owners, Reformed Church Theological Seminary, Rev. John C. Bowman, West James street, Lancaster, Pa. Brick and terra cotta, 3½ stories, 100x40 feet and 125x45 feet, slate roof, vapor vacuum heating, electric lighting, oak floors, tile work, wire lath, metal doors, fire doors, hollow tile and concrete fireproofing, kalamein doors. Architects taking bids. F. L. Hoover & Sons, 1023 Cherry street, Philadelphia, are figuring.

Dairy Building (alt. and add.), Newtown Square, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, C. Parry Vauclain, Newtown Square, Pa. Stone, 1 story, shingle roof, metal lath, cement floors. Architects taking bids, due June 27th. R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia; W. H. Parlamann, Devon, Pa.; P. E. Jefferis, West Chester, Pa., are figuring.

Hotel, Fourth and Blackburn streets, Harrisburg, Pa., \$150,000. Architect, C. Harry Kain, Arcade Building, Harrisburg, Pa. Owners, the Doehn Estate, C. A. & G. L. Doehn, Harrisburg, Pa. Brick, reinforced concrete and steel, 5 stories, 106x105 feet, slag roof and tile roof, electric lighting, metal doors, ventilators, metal lath, waterproofing, terrazzo and marble work, parquet floors, metal weather strips, elevator (heating reserved). Architect taking bids, due July 11th. The following are figuring: Roydhouse-Arey Co., Fidelity Building; Pomeroy Construction Co., 1609 Ranstead street; Warren, Moore & Co., Commercial Trust Building; George & Borst, 277 South Eleventh street; Charles McCaul Co., 1713 Sansom street; Frank G. Stewart, 1619 Sansom street; James H. Wells, Heed Building; Herman Voigt, 1251 North Twenty-eighth street, all of Philadelphia; Manning &

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Pennsylvania Building

Bro., Rochester, N. Y.; Beard Construction Co., Reading, Pa.; Shamokin Lumber and Manufacturing Co., Shamokin, Pa.; James L. Menough & Son, York, Pa.

Hospital, Pittsburgh, Pa. Architect, E. M. Stotz, Pittsburgh, Pa. Owners, New Mercy Hospital, Pittsburgh, Pa. Brick, reinforced concrete, terra cotta and hollow tile, 8 stories, 250x100 feet, slag and tile roof, metal sash, hollow steel doors, tile and marble work (heating and ventilating and electric work separate bids). Architect taking bids, due June 27th. Thomas Reilly, 1616 Thompson street, Philadelphia, is figuring.

School, Palmerton, Pa., \$30,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Palmerton, Pa. Brick, 1 story, 74x121 feet, 97x34 feet, slate roof, hot air or steam heating, electric lighting, reinforced concrete floors, fire doors. Owners ready for bids in one week.

School, East Pennsboro Township, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, School District, H. L. Hoffman, Lemoyne, Pa. Brick, 2 stories, 35x35 feet, slate roof, hot air heating. Plans in progress. Ready for bids July 7th.

Lodge Building (alt. and add.), Lancaster, Pa., \$15,000. Architect, M. R. Evans, Lancaster, Pa. Owners, Lancaster P. O. S. of A., Lancaster, Pa. Brick, 3 stories, 30x100 feet, slag roof, steam heating, electric lighting. Architect has received bids.

Cow Barn, Lancaster, Pa. Architect, J. B. Harman, Lancaster, Pa. Owners, Lancaster County Agricultural Association, J. F. Seldomeidge, secretary, Lancaster, Pa. Frame, 1 story, 182x30 feet, composition roof, concrete floors. Owners will sub-let all contracts.

Factory and Garage, Harrisburg, Pa. Architect, C. Harry Kain, 317 Chestnut street, Harrisburg, Pa. Owners, Jennings Manufacturing Co., Harrisburg, Pa. Steel, reinforced concrete and brick, 3½ stories, 95x125 feet, and garage, 37x125 feet, slag roofs, steam heating, electric lighting. Plans in progress.

Architect will take bids in about two weeks.

Locker House, Jenkintown, Pa. Architect, O. R. Parry, 1631 Chestnut street, Philadelphia. Owners, Old York Road Country Club, Jenkintown, Pa. Stone and plaster, 2 stories, 72x36 feet, shingle roof, electric lighting, metal lath, tile and marble work (lockers and heating reserved). Architect taking bids, due June 30th. The following are figuring: William Easterbrook, 146 North Fourth street; William J. Gruhler Co., 219 East High street; Specht & Sperry, Heed Building; H. E. Baton, Twelfth and Sansom streets; Frank G. Stewart, 1619 Sansom street; James P. Farrell & Co., 1619 Sansom street; John H. Dagny, Oak Lane; Thomas C. Trafford, 1613 Sansom street; Henry L. Brown, 1714 Sansom street, Philadelphia; Frank E. Heston, Churchville, Pa.; W. John Stevens, Wyncote, Pa.; Scott W. Hahn, Glenside, Pa.; W. D. Lukens, North Wales, Pa.

School (add.), Chester, Pa. Architects, Balinger & Perrot, 1700 Arch street, Philadelphia. Owners, Church of the Resurrection, Rev. A. L. Ganter, Chester, Pa. Stone, 2 stories, electric lighting, steam heating. Architects will sub-let all contracts.

School (alt. and add.), West Chester, Pa. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Addison Jones, superintendent, West Chester, Pa. Brick and stone, 2 stories, 40x114 feet, slate roof, steam heating, electric lighting. Plans about completed. Owners will advertise for bids as soon as bonds have been sold.

School (add.), Penn Square, Pa. Architect, E. T. Boggs, 136 South Fourth street, Philadelphia. Owners, Board of Education, Penn Square, Pa. Brick, 2 stories, 25x45 feet, slate roof (steam heating, electric lighting and plumbing separate bids). Owners taking bids, due June 29th at 6 P. M. F. B. avis, 240 North Sixteenth street, Philadelphia, and Frank R. Heavner, Norristown, Pa., are figuring.

PENNSYLVANIA Contracts Awarded

School (alt. and add.), Cumberland, Pa., \$10,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Board of Education, M. A. Hoff, secretary, Cumberland, Pa. Brick, 2 stories, 32x60 feet, tin roof, hot air heating, electric lighting. Contract awarded to W. E. Bushey, Lemoyne, Pa.

School, East Lampeter Township, Pa., \$4,500. Architect, H. M. Bartholomew, Lancaster, Pa. Owners, School District, Martin E. Brenner, Whitmer, Pa. Brick, 1 story, 38x38 feet, slate roof, hot air heating. Contract awarded to William Eekman, Whitmer, Pa.

High School (add.), West Lampeter Township, Pa., \$8,000. Architect, H. M. Bartholomew, Lancaster, Pa. Owners, School District, West Lampeter Township, Pa. Brick, 2 stories, 25x54 feet, slate roof, steam heating, electric lighting. Contract awarded to Abe Herr, R. F. D. No. 4, Lancaster, Pa.

Residences (3), Lancaster, Pa., \$9,000. Architect, M. R. Evans, Lancaster, Pa. Owners, Bowman & Kendig, Lancaster, Pa. Brick, 3 stories, 18x46 feet, slag roof, hot air heating, combination lighting, hardwood and tile floors. Contract awarded to Roy Clark, Lancaster, Pa.

Telephone Exchange, Pottstown, Pa., \$40,000. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., 1230 Arch street, Philadelphia. Brick, stone, concrete and hollow tile, 3 stories, 48x40 feet, slag roof, hot water heating, electric lighting, metal lath, tegrazzo and marble work. Contract awarded to F. H. Keiser & Co., Pottstown, Pa.

Residence, Springfield, Pa. Architects, Addison H. Savery, Stephen Girard Building. Owner, Mrs. Bessie R. Kurtz, care of architect. Stone and plaster, 2½ stories, 26x37 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Contract

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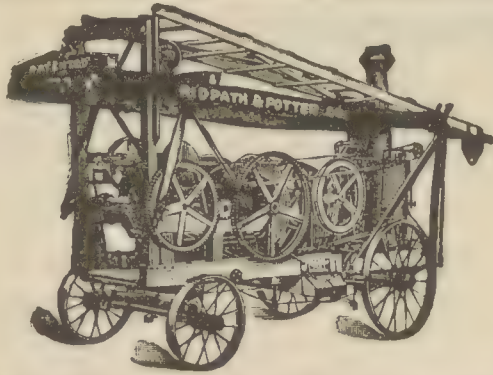
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awarded to Edward W. Winterbottom, Clifton Heights, Pa.

Fumigation Building, Marcus Hook, Pr. Architect, W. A. Courtenay, Ja., 125 East Twenty-fourth street, Chester, Pa. Owners, Pennsylvania State Quarantine Board, Bullitt Building, Philadelphia. Brick and stucco, 1 story, asbestos roof, concrete floors, waterproofing (metal sash, heating, plumbing and electric work separate bids). Contract awarded to the Greim Woodworking Co., Morton, Pa.

Residence, Cynwyd, Pa. Architects, Savery & Scheets, Stephen Girard Building, Philadelphia. Owner, James S. Moore, Cynwyd, Pa. Stone, 2½ stories, 43x28 feet, slate roof, oak floors, tile work, metal lath (heating and electric work reserved). Contract awarded to John E. Kearney, 327 North Sixty-third street, Philadelphia.

Residence (add.), Lansdowne, Pa. Architect, private plans. Owner, Frank E. Sagen-droph, 2nd, Lansdowne, Pa. Frame, 1 story, 16x25 feet, consists of new sleeping porch, tin roof. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

New Jersey Construction News

School Building, Newfield, N. J., \$30,000. Architects, E. F. Durang & Son, 10 South

Eighteenth street, Philadelphia. Owners, Board of Education, Newfield, N. J. Donor, A. A. Hirst, 1200 Chestnut street, Philadelphia. Brick, stone trimmings, 75x80 feet, slag roof, steam heating, electric lighting, slate blackboards. Architects taking revised bids, due June 30th at noon. The following are figuring: John McShain, 1610 North street; William J. McShane, 417 South Thirteenth street; William R. Dougherty, 1610 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; Melody & Keating, Bailey Building; Conneen Construction Co., Commercial Trust Building; Charles McCaul Co., 1709 Sansom street; Monaghan & Losse, 3016 Chestnut street, all of Philadelphia; W. E. Allen, Vineland, N. J., and James D. Pasquale, Vineland, N. J.

Residences (15), Heil avenue, Trenton, N. J., \$18,000. Architect, private plans. Owner, Isaiah Birks, Trenton, N. J. Brick and frame, 2½ stories, 15x28 feet, slate and tin roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Chapel, Jersey City, N. J., \$15,000. Architect, Walter Hankin, 28 South Delawareview avenue, Trenton, N. J. Owners, St. Stephen's P. E. Church, Rev. E. S. Sweet, Jersey City, N. J. Brick, 1 story, 50x85 feet, slate roof, steam heating, electric lighting, maple floors, metal lath, dampproofing. Architect taking bids, due June 30th. The following are figuring: De Riso Bros., Jersey City, N. J.; Peter F. Redfern & Son, Jersey City, N. J.; William R. White & Son, Jersey City, N. J.; A. Hankin, Jersey City, N. J.; George T. Wills, 101 Park avenue, New York City, and the Dekimpe Const. Co., Hoboken, N. J.

Factory, New Brunswick, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Ringwalt Linoleum Co., New Brunswick, N. J. Brick and frame, 3 stories, slag roof (electric lighting and heating reserved). Architects taking bids, due June 29th. The following are figuring: Philip Haibach Cont. Co., Twenty-sixth and Thompson sts.; H. E. Baton, Twelfth and Sansom streets, Philadelphia; Cramp & Co., 25 East Twenty-sixth street, New York City; Starrett & Goss, 103 Park avenue, New York City; E. N. Waldron Co., Newark, N. J.; David Henry, Newark, N. J.; Fred Kilgus, Newark, N. J.; J. J. O'Leary Co., Passaic, N. J.; Sullivan & McNally Co., Paterson, N. J.; P. F. Van Kirk Co., Paterson, N. J., and John Baxter & Son, Brooklyn, N. Y.

Hospital Building, Spring Lake, N. J. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, May Memorial Hospital, Spring Lake, N. J. Brick, stone trimmings, 2 stories, 40x100 feet and 40x50 feet, steam heating, electric lighting, tile and

marble work, metal lath. Architects taking bids, due July 6th. The following are figuring: James H. Wells, Heed Building; Bailey-Lush Co., 201 North Broad street, Philadelphia; H. H. Moore, John Miller, both of Spring Lake, N. J.; Pierce & Sutts, R. E. De Bou, Thomas Burkalow, all of Bradley Beach, N. J.; H. S. Pierce, Belmar, N. J.; J. E. Harrigan, Point Pleasant, N. J.; J. W. Brookes and I. R. Taylor, both of Asbury Park, N. J.; J. S. Rogers Co., Moorestown, N. J.; E. Brookes & Co., 3 West Thirty-ninth street, and the Northeastern Const. Co., 225 Fifth avenue, New York City.

School (add.), Vineland, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Vineland, N. J. Brick and stone, 2 stories, slag roof, steam heating, electric lighting, slate blackboards. Plans about completed. Owners will take bids in about ten days.

Passenger Station, Pine Valley, N. J. Architect, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Brick and stucco, 1½ stories, 32x18 feet, slate roof, yellow pine floors. Owners taking bids, due July 1st. In addition to those previously reported, Charles McCaul Co., 1713 Sansom street; Thomas C. Trafford, 1613 Sansom street, and Wm. R. Dougherty, 1610 Sansom street, all of Philadelphia, are figuring.

New Jersey Contracts Awarded

Machine Shop, Plainfield, N. J. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Miles Bement Pent Co., 111 Broadway, New York City. Reinforced concrete, 1 story, 815x72 feet, asbestos roof, wood block flooring, metal doors and sash (heating, electric work and sprinklers reserved). Contract awarded to Levering & Garrigues Co., 552 West Twenty-third street, New York City.

Residence (alt. and add.), Riverton, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Robert Biddle, 2nd, Riverton, N. J. Stone addition, 1 story. Contract awarded to George W. Shaner & Son, Palmyra, N. J.

Restoring Barracks, Trenton, N. J., \$15,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State House Commission, Trenton, N. J. Brick and stone, 2 stories. Contract awarded to Edward Fay & Son, 2 South Mole street, Philadelphia.

Church (alt. and add.), Merchantville, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Trinity M. E. Church, Merchantville, N. J. Stone, 1 story, slate roof, steam heating, electric lighting. Contract awarded to H. W. Aplegate, Merchantville, N. J.

Residences (8), Cook avenue, Trenton, N. J., \$22,000. Architect, private plans. Owners, Greenwood Realty Co., Trenton, N. J. Brick, 2½ stories, 15x45 feet, slate and tin roof, hot water heating, gas and electric lighting. Contract awarded to James Birks, Trenton, N. J.

Factory (add.), Trenton, N. J., \$4,500. Architect, J. Osborne Hunt, 114 North Montgomery street, Trenton, N. J. Owners, Mag-

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98 and 95 Pearl Street, Boston, Mass.**Immediate Delivery of Lath, Cloth, Netting, etc., from any of Our Store s**

netic Pigment Co., Cass and Canal streets, Trenton, N. J. Brick and steel, 2 stories, 40x40 feet, slag roof, steam heating, electric lighting, reinforced floors. Contract awarded to James H. Morris, Trenton, N. J.

Power House (add.), Trenton, N. J., \$85,000. Architect, George S. Drew, State Capitol,

Trenton, N. J. Owners, New Jersey State Hospital, Trenton, N. J. Brick and steel, 1 story, 44x71 feet and 24x24 feet, slag roof, steam heating, electric lighting, concrete floors, 150 feet brick stack, four 264 H. P. boilers. Contract awarded to Dekimpe Const. Co., Hoboken, N. J.

Miscellaneous Construction News

Factory, Third and French streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, W. H. Hartlove, Wilmington, Del. Brick and steel, 2½ stories, 40x60 feet, slag roof, steam heating, electric and gas lighting, reinforced concrete floors, elevator, waterproofing and dampproofing, steel sash. Architect taking bids.

Residence and Garage, Parkway, Wilmington, Del., \$12,000. Architect, Leon W. Crawford, Odd Fellows' Temple, Wilmington. Owner, Louis Halle, 1207 Clayton street, Wilmington, Del. Brick and stone, 2½ stories, 40x46 feet, shingle roof (heating reserved), electric lighting, hardwood and tile floors, waterproofing. Architect has received bids.

Residence, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Joseph A. Borge, 909 Adams street, Wilmington, Del. Brick and stone, 3 stories, 25x40 feet, slate roof, hot water heating, electric lighting, hardwood and tile floors, waterproofing and dampproofing. Architect has received bids.

Hospital Buildings (2), Washington, D. C. Architects, Hugh N. McAlvey & Mechlin & Starr, Wilkins Building, Washington, D. C. Owners, U. S. Government, Soldiers' Home Hospital, Washington, D. C. Brick and stone, 2½ and 3 stories, 91x56 feet, 87x39 feet; wing, 38x34 feet, slate, slag, tin and copper roof, hot water heating, metal lath, waterproofing, tile work. Owners taking bids, due July 5th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Residence and Garage, Dover, Del., \$40,000. Architects, De Armond, Ashmead & Bickley, 1529 Walnut street, Philadelphia. Owner, Josiah O. Wolcott, Dupont Building, Wilmington, Del. Brick, 2½ stories, 117x35 feet, shingle roof, vapor heating, electric lighting, hardwood floors, tile work. Architects have received bids.

Garage, Wilmington, Del. Architects, Wilson, Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, F. G. Tallman, 1102 Broome street, Wilmington, Del. Brick, 2

stories, 42x22 feet, shingle roof, steam heating, electric lighting, cement floors, metal lath, gasoline storage system. Architects have received bids.

Hotel Building, corner Jefferson and Washington streets, Fairmount, W. Va. Architects, Millburn, Heister & Co., Washington, D. C. Owners, Fairmount Hotel Co., on premises. Brick, terra cotta and stucco, 4 stories and basement, 135x150 feet, slag roof, steam heating, electric lighting, maple floors, composition, cement, tile and terrazzo floors, marble work. Architects taking bids, due June 28th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

College Buildings, Morgantown, W. Va., \$200,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, University of West Virginia, State Board of Control, Charleston, W. Va. Brick, stone, concrete and steel, fireproof. Dormitory, 2 stories, agricultural building, 2 stories, steam heating, electric lighting, marble and tile work, metal lath. Plans about completed. Owners will advertise for bids as soon as plans have been approved.

Silk Manufacturing Plant, Roanoke, Va. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, the Viscose Co., Marcus Hook, Pa. Consists of a group of buildings, reinforced concrete and brick, 1, 3, and 5 stories, 108x70 feet, 237x143 feet, 147x77 feet, and 535x140 feet, white plastic tile, slag and asphalt roofs, asphalt roofs, asphalt floors, steel sash, fire doors, roof ventilators, kalamein doors, iron stairs, safety treads, waterproofing and dampproofing, metal lath, elevators (heating and electric work reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

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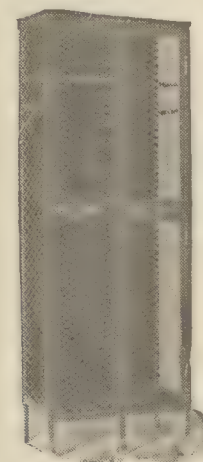
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MARYLAND Construction News

Apartment House, Pimlico Circle, near Reisterstown road. Architect, Stanislaus Russell, 2900 Clifton avenue. Owner, John J. Carlin, 217 St. Paul street, Baltimore, Md. Brick and concrete, 3 stories. Plans in progress. Too early for details.

Apartment House, Lake Drive, Baltimore, Md. Architect, E. H. Glidden, Garrett Building, Baltimore, Md. Owner, Joseph Castenberg, 322 West Baltimore street, Baltimore. Brick, 5 stories, slag roof, steam heating, electric lighting, elevator. Plans in progress.

Dwellings (9), Guilford, Md. Architect, Edward L. Palmer, Jr., Munsey Building, Baltimore. Owner, George Yeatman, 1513 West Lafayette avenue, Baltimore. Brick, 2½ stories, slate roofs, hot water heating, combination lighting, tile work, hardwood floors. Plans completed. Owner will take sub-bids on all lines.

Garage, Monroe street, near Laurens, Baltimore, Md., \$7,000. Architect, Fred E. Beall, 306 St. Paul street, Baltimore, Md. Owners, Cityco Realty Co., 2 East Lexington street, Baltimore, Md. Brick and concrete, 1 story, 45x250 feet, slag roof, steam heating, electric lighting. Plans completed. Architect ready for bids.

Theatre, Cross and Light streets, Baltimore, Md., \$75,000. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owners, McHenry Theatre Co., care of Henry W. Webb, 1318 Fidelity Building, Baltimore. Brick and fireproof. Plans in progress. Too early for details.

Factory (alts. and add.), 135 West Mount Royal avenue, Baltimore, Md. Architect, T. W. Pietsch, American Building, Baltimore, Md. Owners, McGraw Tire Co., 10 West Oliver street, Baltimore, Md. Consists of general interior and exterior alterations, new front, brick, steam heating, electric lighting and plumbing. Architect taking bids, due June 29th. The following are figuring: B. F. Bennett Building Co., 123 South Howard street; Charles L. Stockhausen Co., Gay and Water streets; Consolidated Engineering Co., Calvert Building; Cogswell-Koother Co., 406 Park avenue; Edw. Watters & Co., 509 North Charles street; C. E. Stubbs, 548 Equitable Building; Fred Decker & Son, 1209 East Biddle street; Thomas B. Stanfield & Co., 212 Clay street, all of Baltimore, Md.

Bakeries, 634-648 and 650-652 West Lexington street, Baltimore, Md. Architect, John Freund, Jr., 11 East Lexington street, Baltimore. Owner, E. H. Koester, on premises. Brick, 1 and 3 stories, 50x79 feet and 65x140 feet, slag roofs (heating, electric work, plumbing and freight elevator reserved). Architect taking bids, due June 30th. The following are figuring: Charles L. Stockhausen Co., Inc., Gay and Water streets; H. S. Rippel, 7 Clay street; H. D. Watts Co., Garrett Building; Adam Kratz, 343 South Smallwood street; B. F. Bennett Building Co., 123 South Howard street; John F. Kunkel, 29 South Linwood avenue; Fidelity Const. Co., 1709 West Lexington street; George Bunnecke & Son, 305 St. Paul street; George Pierson & Son, 1000 Olive street; Consolidated Engineering Co., Calvert Building; R. H. Frazier & Son, 224 West Mulberry street, all of Baltimore, Md.

Factory, Clement and Woodall streets, Baltimore. Architects, G. E. Painter Co., 324 North Charles street, Baltimore. Owners, Baltimore Enamel and Novelty Co., on premises. Brick, 2 stories and basement, 177x441 feet, plastic roof, skylights, concrete floors, steel rolling doors, dumbwaiters (plumbing, electric

wiring, heating and furnaces reserved). Architects taking bids, due July 1st. The following are figuring: Morrow Bros., Fidelity Building; B. F. Bennett Building Co., 123 South Howard street; John Hiltz & Sons, 3 Clay street; Fred Decker & Son, 1209 East Biddle street; Cogswell-Koother Co., 406 Park avenue; Price Concrete Const. Co., Maryland Trust Building; Thomas B. Stanfield & Co., 212 Clay street; Deverall, Spencer & Co., Garrett Building; D. M. Andrews Co., Mt. Vernon avenue and Twenty-sixth street; Charles L. Stockhausen Co., Inc., Gay and Water streets; Consolidated Eng. Co., Calvert Building, all of Baltimore, Md.

Office Building, Curtis Bay, Md. Architects, Archer & Allen, 1 East Lexington street, Baltimore, Md. Owners, Baltimore Car and Foundry Co., Curtis Bay, Md. Brick and concrete, 2½ stories, 125x51 feet, slag roof, wire lath, concrete and cement floors, waterproofing and dampproofing, granite and limestone trimmings, steel sash, fireproof floors, marble and terrazzo floors. Architects taking bids, due June 28th. The following are figuring: B. F. Bennett Building Co., 123 South Howard street; Walter E. Burnham, Law Building; Willard E. Harn Co., 213 North Calvert street; George Bunnecke & Son, 305 St. Paul street; G. Walter Tovell, Eutaw street; Morrow Bros., Fidelity Building, all of Baltimore, Md. (Heating, ventilating, hot water heating, electric work, lighting and vacuum cleaning system reserved).

Warehouse, Mulberry and Jasper streets, Baltimore, Md. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore, Md. Owners, Gomprecht & Benesch, 316-22 North Eutaw street, Baltimore, Md. Brick and concrete, 4 stories, slag roof, concrete floors, metal sash, skylights and ventilators, fire doors, reinforced concrete work, steel rolling doors (elevators, heating, electric work and sprinkler system reserved). Architects taking bids, due June 28th. The following are figuring: J. Henry Miller, Inc., Eutaw and Franklin streets; John Hiltz & Son, 3 Clay street; Fred Decker & Son, 1209 East Biddle street; West Construction Co., 218 East Lexington street; Consolidated Engineering Co., Calvert Building; Price Concrete Const. Co., 210 Maryland Building; Cowan Building Co., 106 West Madison street; Charles L. Stockhausen Co., Inc., Gay and Water streets; C. E. Stubbs, Equitable Building; R. B. Mason, 308 West Madison street; Milton C. Davis, 623 North Calvert street, all of Baltimore, Md.

Permits for New Buildings

F. Deitrick, Jr. (O and C), 1828 Schiller street. Cost, \$35,500. Seventeen dwellings, brick, hot water heating, slag roof. Five, 14x40 feet, 900 East Tioga street; seventeen, 14x40 feet, 900 East Tioga street.

Harold Perpal (O), Sixth and Green lane. William J. Gruhler (C), 219 High street. Cost, \$19,000. Stone dwelling, hot air heating, shingle roof, 45x50 feet, 3 stories, Sixth and Green lane, Oak Lane.

W. H. Rickard (O), 424 East Haines street. L. D. Stites (C), 126 Herman street. Cost, \$3,000. Two dwellings, brick, 14x40 feet, 2 stories, slag roof, 5838 and 5840 Morton street.

Andrew Latarek (O), 1307 North Lawrence street. William G. Isles (C), 1021 Gilham

street. Cost, \$2,100. Brick dwelling, 14x35 feet, 2 stories, slag roof, hot air heating, Claridge and Cottman streets.

James Dolan (O), 425 North Darien street. Thomas Reilly (C), 1616 Thompson street. Cost, \$10,000. Concrete building, 55x62 feet, 2 stories, slag roof, steam heating, Callowhill and Darien streets.

Samuel J. Kennedy (O and C), 3105 F street. Cost, \$37,500. Sixteen brick dwellings, hot water heating, slag roof. Two 16x40 feet, Tioga and Weymouth streets; seven 15x40 feet, Tioga and Weymouth streets; seven, 14x38 feet, Reach and Tioga streets.

Fannie Feldman (O), 410 McKean street. Morris Feldman (C), 410 McKean street. Cost, \$5,700. Two brick dwellings, hot air heat, slag roof. One 18x50 feet, 2649 South Ninth street; one 20x50 feet, Ninth and Dreyun avenue.

St. James the Less (O), Thirty-second and Clearfield streets. William R. Dougherty (C), 1610 Sansom street. Cost, \$32,000. Stone parish house, 124x86 feet, 1 story, slate roof, Thirty-second and Clearfield streets.

Joseph Milgram (O), 1027 Ritner street. P. Litman & Joseph Milgram (C), 1027 Ritner street. Cost, \$71,700. Nineteen dwellings, brick, hot water heat, slag roof. One 16x48 feet, York road and Courtland streets; sixteen 16x48 feet, York road and Courtland street; two 19x28 feet, York road and Courtland street.

Camillo Seti (O), 816 Darien street. Angelo Brengola (C), 709 Kater street. Cost, \$1,750. Brick dwelling, 21x17 feet, 3 stories, slag roof, 808 South Darien street.

Gillinder & Sons, Inc. (O), Tacony, Pa. John F. Davies (C), 1110 Foulkrod street. Cost, \$12,000. Concrete building, 100x110 feet, 2 stories, slag roof, State road and Devereux street.

Harry Stoks (O), 5024 Cottage street. Anton Ahlers (C), 3425 Howell street. Cost, \$8,000. Four dwellings, brick, hot air heating, slag roof, 15x38 feet, 2 stories, Cottage and Wakeling streets.

Palativate Reformed Church (O), Fifty-sixth and Girard avenue. E. E. Hollenbach, Inc. (C), Fifteenth and Race streets. Cost, \$26,000. Concrete building, 52x101 feet, slate roof, steam heating, Fifty-sixth and Girard avenue.

Robert Killough (O and C), Wayne and Dural streets. Cost, \$32,500. Five dwellings, stone, hot water heat, slate and tile roof, 22x38 feet, 3 stories, Wayne avenue and Dinker street.

William Lock (O), 321 East Girard avenue. Berkelbach Sons Co. (C), 4008 Richmond street. Cost, \$5,200. Brick dwelling, 17x47 feet, slag roof, hot water heating, 443 East Girard avenue.

Cornelius Kiely (O and C), 312 West Seymour street. Cost, \$20,400. Brick dwellings, 2 stories, hot air heating, slag roof. Eight 14x36 feet, Livingston and Schiller streets; eight 14x37 feet, Almond and Schiller streets.

Albert S. Marks (O), 214 South Fifteenth street. Isaac G. Shoemaker (C), 1324 Walnut street. Cost, \$60,000. Office building, concrete, reinforced, 5 stories, 24x118 feet, slag roof, Fifteenth and Walnut streets.

William R. DeVictor (O), 1202 West End Trust Building. John G. Sharp (C), 6139 Torresdale avenue. Cost, \$10,400. Dwellings, brick, 14x42 feet, hot air heating, slag roof, 6122 to 6130 Cottage street.

J. Shenkman (O and C), Locust avenue and Cresson street. Cost, \$32,000. Twenty dwellings, brick, hot water heating, slag roof, 2 stories. Two, 16x51 feet; eleven 14x50 feet; seven 14x50 feet, American and Duncannon avenue.

John Kosempel (O), 826 North Darien street. Emil P. Stahl (C), 4910 North Fourth street. Cost, \$5,000. Brick dwellings, hot water heating, slag roof, 2 stories, 16x43 feet, 5125-27 North Warnock street.

Emil P. Stahl (O and C), 4918 North Fourth street. Cost, \$5,000. Brick dwellings, hot water heating, slag roof, 2 stories, 16x45 feet, Fourth and Duncannon avenue.

Derbyshire Bros. (O), 2418 North Front street. Isaac T. Shoemaker (C), 1324 Walnut street. Cost, \$20,000. Reinforced concrete building, 72x64 feet, slag roof, hot water heating, 3 stories, 2416-12 North Hope street.

Edwin O. Lewis (O), Commercial Trust Building. Alfred James (C), Bala, Pa. Cost, \$18,300. Stone dwellings, 30x62 feet, hot water heating, shingle roof, 2 stories, City avenue and Lancaster avenue.

Ernest Berry (O), Ridge avenue and Green lane. H. C. Missemer (C), 532 Richter street. Cost, \$4,000. Brick dwelling, hot water heating, slag roof, 2 stories, 318 and 320 Kingsley street.

L. A. Belmont (O), 908 Chestnut street.

Cramp & Co. (C), 801 Denekla Building. Cost, \$175,000. Reinforced concrete building, 69x117 feet, 8 stories, slag roof, Thirteenth and Wood streets.

Adam Peska et al., trustees, Frankford, Philadelphia. Albert Sieminski (C), 1634 Ruffner street. Cost, \$21,860. Stone building, 60x100 feet, 2 stories, 186 Cotton street.

Herman Blackman (O and C), 2241 North Thirty-first street. Cost, \$57,000. Twenty-four brick dwellings, slag roof, hot water heating, 2 stories. One, 15x48 feet; twenty-three, 15x46 feet, Fifty-fourth and Greenway avenue.

Board of Education (O), Nineteenth above Chestnut street. William R. Dougherty (C), 1610 Sansom street. Cost, \$61,257. Reinforced concrete building, 36x62 feet, 3 stories, concrete roof, Fifty-eighth and Media streets.

Co. (C), Pennsylvania Building. Cost, \$4,750. Brick stack, 175 feet high as plans, Godfrey and Stenton streets.

P. & R. Ry. Co. (O), Reading Terminal. C. P. Bower (C), Wayne and Roberts avenue. Cost, \$2,000. Brick, 1 story, rear addition, 23x15 feet, Frankford and Lchigh avenue.

House of Good Shepherd (O), Thirty-fifth and Fairmount avenue. Sutton & Stephenson (C), 1317-19 Washington avenue. Cost, \$4,850. Brick house, general interior alterations, as plans, Thirty-fifth and Fairmount avenue.

Philadelphia Electric Co. (O), Tenth and Chestnut streets. Drehmar Paving Co. (C), 2622 Parrish street. Cost, \$1,700. Fireproofing bridge, Twenty-sixth and Christian streets.

Jacob H. Raisch (O), 1400 South Fifty-second street. Barkan Bros. (C), 926 Snyder avenue. Cost, \$1,200. Brick store, general alterations and additions, 1402 South Fifty-second street.

Edward I. H. Howell (O), 5218 Germantown avenue. Frederick Elridge & Son (C), 5522 Germantown avenue. Cost, \$500. Stone dwelling, repair fire damage, 5219 Greene street.

Mrs. Fannie Greengross (O), 230 North Second street. Jake Berger (C), 239 Race street. Cost, \$550. Brick store, general alterations, no additions, 201 Vine street.

Dr. Reinhard Noll (O), Twenty-second and Fairmount avenue. William H. Schultz (C), 3340 North Carlisle street. Cost, \$600. Brick dwelling, erecting partitions, etc., Twenty-second and Fairmount avenue.

H. Linton & Bro. (C), 3065 Ruth street. Stewart Bros. (C), 2526-28 Orkney street. Cost, \$7,250. Brick garage, 1 story, 68x107 feet, 3065 Ruth street.

H. D. Syster (O), 4010 Baring street. J. D. Fisher (C), 5718 Market street. Cost, \$2,000. Brick garage, 16x53 feet, slag roof, Sixty-second and Ludlow streets.

M. Parie (O), 640 North Seventh street. Max Sussman (C), 608 North Franklin street. Cost, \$500. Brick dwelling, general repairs and alterations, 640 North Seventh street.

William G. Lawson (O), 1234 Allengrove street. C. West & Co. (C), Oxford avenue and Wakeling street. Brick Garage, 11x18 feet, 1234 Allengrove street.

Midvale Steel Co. (O), Nicetown, Philadelphia. Barclay White Co. (C), Perry Building. Cost, \$320,000. Brick shop, 1 story, 540x220 feet, Bristol and Wissahickon avenue.

Mt. Carmel Baptist Church (O), Fifty-eighth and Race streets. J. F. Trent (C), 2041 Master street. Cost, \$14,250. Church, brick and stone, two-story addition, 40x14 feet in rear, 50x86 feet in front, addition and general alterations, Fifty-eighth and Race streets.

Ira Smith (O), 114 East Allegheny avenue. Harry Smith (C), 1823 West Allegheny avenue. Cost, \$1,500. Frame dwelling, 28x40 feet, Claridge and Cottman streets.

Joseph Geozzer (O), Twentieth and Moore streets. P. Savor (C), 718 Snyder avenue. Cost, \$540. Brick and general alterations, southeast corner Twentieth and Moore streets.

Charles O'Brien (O), 5401 Baltimore avenue. McEnamen & Mount (C), 814 South Fifty-sixth street. Cost, \$3,500. Brick dwellings, two-story front addition, 16x10 feet; two-story rear addition, 16x13 feet, Fifty-fifth and Whitley avenue.

Tony Bellam (O and C), 434 North Gross street. Cost, \$500. Brick building, one-story addition, 25x25 feet, 434 North Gross street.

Amos H. Hall & Sons (O), 2915 North Second street. Philadelphia Boiler Works (C), 1737 Filbert street. Cost, \$1,000. Repair boiler foundations, 2915 North Second street.

(Continued on page 434.)

Alterations and Additions

Miffin Chemical Co. (O), Delaware avenue and Miffin street. Joseph Senn Co. (C), 1130 South Sixth street. Cost, \$900. Iron frame building, 30x30 feet, 1 story, slag roof, Delaware avenue and Miffin street.

St. Matthew's P. E. Church (O), Eighteenth and Girard avenue. Samuel J. Rea & Sons (C), 1608 Fairmount avenue. Cost, \$1,100. Stone church, general alterations for organ, Eighteenth and Girard avenue.

Board of Education (O), Nineteenth street, below Market street. Standard Const. Co. (C), 822 Drexel Building. Cost, \$4,000. Stone school, general alterations around windows, Fifth and Washington avenue.

Warren Koons (O), 3546 North Seventh street. Joseph Reed (C), 715 Tioga street. Cost, \$1,750. Brick garage, 1 story, 20x84 feet, slag roof, 3546 North Seventh street.

Estate of George B. Wilson (O), Fifteenth and Chestnut streets. Basch & Co. (C), 1436 South Front street. Cost, \$1,000. Brick store, general alterations and repairs, 6 North Thirteenth street.

Phil. S. Reed (O), 1000 Faragut Terrace. Ed. Esham (C), 6208 Elmwood avenue. Cost, \$800. Brick addition, 14x40 feet, in rear, 1 story, Haverford and Lancaster avenues.

Friends Almshouse Estate (O), Walnut place. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Cost, \$5,000. Brick building, third story addition, 22x34 feet, fireproof roof, 318-20-22 Walnut street.

Mary A. Rick (O), 251 Hermitage street. John J. Hurley & Co. (C), 4416 Cresson road, Manayunk. Cost, \$500. Brick dwelling, 2 story addition, 15x11 feet, tin roof, 251 Hermitage street.

Mrs. Murray (O), 328 South Fifteenth st. J. Borden & Bro. (C), 637 North Nineteenth street. Cost, \$500. Hot water heating system, 328 South Fifteenth street.

H. M. & C. B. Siner (O), Church street, Frankford. Charles A. Collier (C), 4213 Paul street, Frankford. Cost, \$1,400. Garage, brick, 23x36 feet, 1 story, slag roof, Church street and State road.

Jefferson Medical College (O), Tenth and Sansom streets. Cost, \$5,000. Hospital, general alterations, Tenth and Sansom streets.

Rosina Gehringer (O), Twenty-ninth and Stiles streets. Frank I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$1,000. Brick house, third story rear addition, 8x16 feet, and general alterations and additions, Twenty-ninth and Stiles streets.

Mrs. Louis C. Lov (O), 3000 Chestnut street.

Phila. Post. Co. (C). Cost, \$700. Sheet metal sign, 3000 Chestnut street.

P. R. R. Co. (O and C), Broad Street Station. Cost, \$3,500. Five buildings, wood, 1 story, 12x12 feet, and five 1 story, 20x31 feet, Butler and Sepovia streets.

H. Perpal (O), Sixth and Green lane. W. J. Gruhler (C), 219 High street. Cost, \$1,000. Stone garage, 21x23 feet, shingle roof, 1 story, Sixth and Green lane.

W. J. Moore (O), Ogontz. W. D. Lukens (C), North Wales, Pa. Cost, \$800. Garage, new floors, Fortieth and Ludlow streets.

Philadelphia Steel and Forge Co. (O), Milnor and Bleigh streets. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$1,000. Steel frame storage, 15x45 feet, Milnor and Bleigh streets.

Joseph B. McCall (O), Forty-second and Walnut streets. Fidelity Const. (C), 121 Filbert street. Cost, \$7,000. Brick dwelling, 1 story addition, 17x17 feet, and general alterations, Forty-second and Walnut streets.

Myer Mosthokff (O), 221 East Girard avenue. John Dillon (C), 620 Cherry street. Cost, \$540. Brick store, general alterations, 221 East Girard avenue.

Board of Education (O), Nineteenth above Chestnut street. Mitchell Bros. (C), 2125 Race street. Cost, \$3,440. Brick school, repair fire damage, Forty-first and Brown streets.

P. C. Tomson & Co. (O), Twenty-fifth and Washington avenue. Pittsburgh Bridge and Iron Works (C), Rochester, Pa. Cost, \$1,750. Wire on iron frame, 1 story, 24x49 feet, slag roof, side walls brick, Twenty-fifth and Washington avenue.

Pasualio Ingeneto (O), 822-29 Christian street. John F. Shea (C), 6543 Paschall avenue. Cost, \$3,000. Brick building, general alterations and additions, Eighth and Latonia streets.

William Bader (O), 7040 Woodland avenue. Frank Hall (C), Seventy-first and Greenway avenue. Cost, \$500. Brick garage, general alterations, 7043 Saybrook avenue.

U. G. I. Co. (O and C), Broad and Arch streets. Cost, \$5,000. Brick, 1 story addition to garage, 31x90 feet, steel and concrete roof, Passyunk and Schuylkill avenues.

Mrs. Charles E. Myers (O), 6012 Ridge avenue. H. E. Grau Co. (C), 1707 Sansom street. Cost, \$2,500. Brick dwelling, 14x6 feet, two story addition for bath, 6012 Ridge avenue.

John & James Dobson, Inc. (O), 809 Chestnut street. Alphons Custodis Chimney Const.

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Editorial Comment

The "Builders' Guide," thanks to the interest and courtesy of Christine Wetherill Stevenson, First Vice-President of the Philadelphia Art Alliance, is enabled to present in this number what may be regarded as an official explanation of the selection by that organization of a Boston architect in the matter of the designing of the building to be erected by it on Rittenhouse Square.

Some comment was occasioned by the selection of a Boston man to plan this work because of a feeling, pretty general among local architects, that as a Philadelphia institution the Alliance should have encouraged local talent.

This feeling was intensified by a belief that little or no difficulty would have been experienced in finding a Philadelphian able to meet every demand in connection with the planning of such a structure as that in view.

In the discussion growing out of this comment the fact has been disclosed that the Boston man was selected by the Alliance not of its own initiative, but on the recommendation of a committee, consisting of two of the most distinguished of Philadelphia architects and an equally distinguished Pennsylvania mural painter.

In other words, it develops that that the selection was made because, the style agreed upon being Gothic, a Boston architect, Mr. Cram, of Cram, Goodhue & Ferguson, was by the unanimous view of the committee the foremost living exponent of that particular style.

Mrs. Stevenson's letter follows:

* * *

"June 19th, 1916.

The Editor 'Builders' Guide,

Perry Building, Philadelphia, Pa.

Dear Sir:

A recent article in your columns asks a question regarding the selection of a Boston firm of architects for the proposed Art Alliance building, which certainly requires an answer, and an explanation.

You say: 'Why in a city as deservedly famous as Philadelphia for the skill and originality of its architectural designers, we call in a firm of Boston architects?'

The answer follows:

Just a year ago last March, impatience with the limited accommodations that our city affords for concerts and dramatic performances, led to the present plan with the dea foremost in the minds of those interested, that the architecture of the auditoriums should be Gothic. Some had heard Gothic auditoriums recommended at lectures at the Beaux Art as most conducive to the highest form of esthetic enjoyment. Others, including Miss Violet Oakley, concurred with the same idea expressed in Chandler's book on the modern theatre. Later, Mrs. Otis Skinner added the suggestion that something suggestive of Old England should be done, and the theatre ded-

icated to performances of Shakespeare's plays the week of his birthday every spring.

It was at Miss Oakley's studio that the Gothic type of building was decided upon. A number of architects were afterwards consulted as to the man most experienced in designing Gothic auditoriums. The invariable reply was, 'Cram is your man.' There was still some hesitancy about appointing Cram, rather than a Philadelphia architect, and the problem with all its requirements was placed before one of our leading architects (one, by the way, who has done some very lovely Gothic work himself). 'Cram is the specialist in this sort of thing,' he said. 'It would not be fair to give it to anyone else. You should have him appointed by a committee of Philadelphia architects and the president of the Philadelphia Chapter of the American Institute should be chairman. I'll call him up.' To make a long story short, M. B. Medary, then president of the Philadelphia Chapter, accepted the chairmanship and appointed Mr. Frank Miles Day and Miss Violet Oakley to serve with him, and this committee unanimously appointed Cram; so that 'a firm of Boston architects' was appointed for our 'Philadelphia Art Center' through the generous recognition of our Philadelphia architects and artists of the attainments of a fellow worker in his special line of work, without thought of local prejudice or personal interest.

Surely this is a greater tribute to our Philadelphia architects than had they appointed one among their number, and the building will be a monument to their generous appreciation of a high standard of attainment (and their willingness to recognize it) in 'a firm of Boston architects.'

The above statement has been submitted to Mr. Medary, and approved by him.

Yours very truly,

CHRISTINE WETHERILL STEVENSON,

First Vice President of Philadelphia Art Alliance."

* * *

The "Guide" concurs most heartily in Mrs. Stevenson's statement that the selection of Mr. Cram, made as it was, "is a greater tribute to our Philadelphia architects than had they appointed one among their number," representing as it does, "a generous appreciation of a high standard of attainment and their willingness to recognize it" without "thought of local prejudice or personal interest."

The "Guide" begs to thank Mrs. Stevenson for the courtesy of her very full, frank and clear explanation, one that we feel sure will remove any vestige of doubt that may remain as to the propriety of Mr. Cram's selection.

* * *

The ugliness, architecturally speaking, of

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Philadelphia's City Hall is an old story.

It remained for the Ad Men's Convention to so light up the tower of the grimy old structure as to reveal unsuspected graces.

Says the Philadelphia "Public Ledger":

"To some it is a waste of funds that bathes the great obelisk at City Hall in living light, from the rooftop, whence it upsoars to the verdigris brim of the Founder's hat and the shadowy figure at whose feet the bluish-white electric tiara is resplendent. But thousands of others, whose eyes are inevitably upraised to the illumined shaft as they approach it along the four arterial thoroughfares of the city, find the sight an inspiration in its singular beauty and a revelation of aspects unseen before. It seems a wise investment and not a mere esthetic extravagance.

Too many see only in our City Hall what Baedeker rightly calls 'a tasteless pile.' It is all of that. Its squatty, batrachian obesity, planted between our two great railway termini and insuling the eye of every visitor, gives a most unfavorable impression of the artistic sensibilities and the state of culture among Philadelphians. Costly as it was to cover four and one-half acres with granite and marble after the architectural fashion known as 'modified French Renaissance,' and operose as the task will be of setting down the great stones and carting them away, Philadelphia cannot endure many years more the sight of that glaring uglification standing at the city's heart, pretending to be our chief pride and ornament. The City Hall must go. But that is another story, and while we must suffer what we have, we must perforce pay tribute to the tower, much happier in its architectural concept, much newer and more graceful in its outlines, and going far to redeem the heavy, muddy dulness round the base of it.

That tower as it now stands, bathed in a soft and purifying light against the nocturnal skies, is a symbol of many things that are hid from our eyes as we putter about, looking earthward, in our tveryday lives. Muckrakers, preoccupied with ourselves and our fussy, petty concerns—or matters of moment—we have no time to bother with any loveliness that may be hovering aloft, even though upon the rustling wings of an angelic visitation. Nothing of the spiritual, the ethereal, shall call a halt upon our rushing progress. But ever and anon, like this bright phenomenon now seen in midair over Broad street, some heavenly vision is flung like a rainbow athwart the landscape of brick and stone, compelling us to pause and admire and then to proceed upon our way subtly and slightly changed."

* * *

If all this may be brought about by a few deftly placed search-lights, there may be wisdom in the planning of a system of exterior lighting for buildings much of the beauty of which is lost because out of range. Are we to have an era of indirect lighting

planned to focus the eye of the pedestrian upon those architectural graces that in very tall edifices are but all too often lost in the air?

The query opens up a new theme of discussion.

* * *

Dr. John P. Garber, in his first annual report as Superintendent of the Schools of Philadelphia, makes interesting references to the improvement which has taken place in the character of the buildings erected for school purposes since 1906.

"School buildings erected at the present time are fireproof, and of the very latest design. They are models from the sanitary standpoint, and every advantage which modern school construction requires is contained in the new buildings. In 1906 seven new buildings and additions were put under contract, of which three were of fireproof construction. During 1915 there were 232 class rooms contracted for, or accommodations provided for 11,600 children, a greater annual increase in school accommodations than ever before contracted for by the Board of Education. The amount contracted for totaled \$1,968,277, for the erection of new buildings and additions, and \$253,062 was paid out for repairs to buildings occupied for school purposes. One fact stands out prominently—every building erected last year was of fireproof construction..

* * *

"The number of new buildings erected during the past decade is very large. Many other buildings have had their capacity increased by the erection of wings. Ten years ago a schoolhouse with 21 class rooms was thought to be very large. Few indeed were the buildings that exceeded this size. The Board has wisely adopted the policy of erecting larger structures except where the population is too sparse to make this feasible. This conduces both to economy and efficiency. Not only is a large plant relatively cheaper to build and to operate, but it offers better conditions for carrying on the multifarious activities of a modern school, and the opportunity to classify pupils so closely that the work of a given group shall be such as appeals and is adapted to every member of the group, is greatly increased."

* * *

"The fluctuating prices of building materials have played havoc with the building trade, and the large percentage of revisions is due principally to this cause," according to the "Ledger." "In many instances the prices submitted for materials are for immediate acceptance, and as such a course of procedure is almost impossible, difficulties arise in submitting estimates. Things which not only have a bad effect on the owners, but also make double work for both the architects and contractors, should be eliminated as far as possible, and it looks as if the only possible way to keep the building cost within appro-

priations is to get approximate estimates on well-worked-up preliminary drawings. While this might at first seem an unnecessary expenditure of time, it will pay in the end, and perhaps prevent the losing of jobs entirely by frightening off clients. The architects' old method of arriving at an approximate price by comparison with other finished work, or by cubing it, can no longer be depended upon because of the advance in both labor and building materials, which has caused the finished building to increase at least 20 per cent. in the last year."

* * *

The New York "Real Estate Record" thinks that the condition here described is one that may be counted on to regulate itself.

"When speculative builders of the first order publicly announce that they cannot proceed with operations because of the high cost of materials made of iron and steel and other metals (which constitute two-thirds of the cost of modern fireproof construction when the expense of installation is added) the evidence of an economic impasse in that direction cannot be ignored," says the "Record."

"But if the high cost is natural, there is no more sense in complaining about it than in complaining about the weather. If artificial, it is certain to react, and the public will in the end be the gainers."

* * *

A common sense way of looking at a question that is giving builders more or less concern.

* * *

So seldom, even in the case of noteworthy buildings, does the press or the general public think it necessary to mention the name of the architect in connection with his work, that it is reassuring to note two recent cases in which due appreciation was shown the designers.

At the recent dedication of the Alumni Gymnasium of the Alabama Polytechnic Institute, Frank Lockwood, of Montgomery, Ala., architect of the building, was presented with a handsome gold watch fob by the authorities of the college and was given due prominence in the newspapers.

* * *

The second incident occurred at the opening exercises of the Rochester, N. Y., Y. M. C. A., when the three architects, John F. Judson, of New York, and Foster Warner and Claude Bragdon, of Rochester, and Charles W. Hoffman, superintendent, were among the guests at a dinner to celebrate the event.

The popular attitude toward the architect

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has changed considerably since the time when the firm of McKim, Meade & White was asked to remove its name, carved in an inconspicuous place on the Boston Public Library—and was obliged to acquiesce.

ALTERATIONS AND ADDITIONS

(Continued from page 431.)

L. Brody (O), 121 North Second street. Louis Cohn (C), 417 Christian street. Cost, \$18,000. Brick building, rear addition, 50x80 feet, as plans, 112-15 North Broad street.

Abbot Estate (O), 3035-37 Chestnut street. John Duncan (C), 920 Walnut street. Cost, \$2,300. Repair fire damage, 3035-37 Chestnut street.

W. H. Beaver (O), 127 North Fifth street. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$19,000. Brick garage, 50x175 feet, 1 story as plan, 3628 Walnut street.

Mrs. Brazier (O), 5536 Sprague street. M. S. Oberholtzer (C), 5524 Pulaski avenue. Cost, \$500. Brick dwelling, one-story rear addition, 16x10 feet, slag roof, and general alterations, 5536 Sprague street.

Samuel Flusher (O), Eighth and Chestnut streets. Gray & Dormer (C), 1729 Columbia avenue. Cost, \$1,900. Club, steam heating plant, 717-19 Catherine street.

Mifflin Chemical Works (O), Delaware avenue and Mifflin street. Joseph Senn & Co. (C), Philadelphia. Cost, \$6,600. Brick boiler house, 35x55 feet, 1 story, Delaware avenue and Mifflin street.

W. A. McCorland (O), 4426 Frankford avenue. Frank I. Wintz (C), 1613 North Twenty-seventh street. Cost, \$2,975. Brick store, one-story rear addition, 19x60 feet; one-story side addition, 5x32 feet; interior alterations, 4426 Frankford avenue, Philadelphia.

Richard J. Hennisey (O), 1940 North Uber street. J. Harvey Rea (C), 1019 Appletree street. Cost, \$860. Brick stable, 1 story addi-

tion, 19x22 feet, slag roof, 1924 North Twenty-second street, in rear.

Liece Pereistone (O), Ninth and Christian streets. Herbert Steen (C), 3221 North Seventeenth street. Cost, \$1,600. Brick shop, two-story rear addition, 18x47 feet, slag roof, 1707 Carpenter street.

Joseph Aliostro (O), 2910 North Twenty-second street. Herbert Steen (C), 3221 North Seventeenth street. Cost, \$1,275. Brick store, general alterations and repairs, 2910 North Twenty-second street.

Roesch Packing Co. (O), Second street, below Poplar street. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Cost, \$4,000. Brick building, repair fire damage, Second and Poplar streets.

Philadelphia Electric Co. (O), Tenth and Chestnut streets. A. Raymond Roff Const. Co. (C), 1635 Thompson street. Cost, \$500. Wood shed, 16x24 feet, East end Girard avenue bridge.

Board of Education (O), Nineteenth above Chestnut street. Mitchell Bros. (C), 2125 Roce street. Cost, \$1,925. Brick school, general alterations and repairs, Fifteenth and Fitzwater streets.

M. Sussman (O), 318 Market street. S. Bannett & Son (C), Drexel Building. Cost, \$1,000. Brick store, 2 stories, rear addition, 16x30 feet, 808 Callowhill street.

B. G. Keplinger (O), 29 South Fifty-second street. Sheen & Gill (C), 450 North Wilton street. Cost, \$2,400. Brick store, one-story addition, 21x64 feet, slag roof, 5210 Market street.

Joseph P. Pettit (O), 5629 Girard avenue. Mitchell Bros. (C), 2125 Roce street. Cost, \$8,00. Brick garage, 1 story, 75x100 feet, slag roof, 6234-36-38 Market street.

Wolfgang Richter (O), Ditman and Knyer street. Anton Ahlers (C), 3425 Howell st. Cost, \$5,500. Brick factory, general alterations and additions, Erdrick street and Vankirk street.

P. R. R. Co. (O and C), Broad Street Station. Cost, \$4,000. Frame buildings, all temporary, three 1 story, 20x50 feet; one 1 story, 20x70 feet; one 1 story, 20x20 feet; one 1 story, 20x20 feet, Pier No. 3, Girard Point, Philadelphia.

P. R. R. Co. (O and C), Broad Street Station. Cost, \$4,000. Frame buildings. Four 1 story, 20x52 feet; one 1 story, 20x21 feet one ext. addition, 1 story, 20x30 feet; one ext. addition, 1 story, 20x20 feet, Forty-eighth and Parkside avenue.

Luzi Amarando (O), 623 Washington avenue. Dominic Ireo (C), 515 Christian street. Cost, \$1,200. Brick dwelling, three-story front addition, 16x13 feet, 623 Washington avenue.

WHY FURNACE PRICES ARE HIGHER.

By way of explaining why prices on warm-air furnaces have advanced and incating that they may go even higher, the following figures are given. These represent the approximate percentage advance in the price of raw materials which enter into the construction of a heating job over the low figures prevailing some months ago:

Pig iron, 60 per cent.; coke, 45 per cent.; wrought pipe and fittings, 40 per cent.; galvanized iron, 100 per cent.; copper, 120 per cent.; tin, 25 per cent.; screws, 50 per cent.; spelter (zinc), 300 per cent.; lead, 50 per cent.; aluminum (used in pattern work), 175 per cent.

Some manufacturers explain the fact that only nominal advances have been made because they have had liberal stocks of raw material on hand which had been purchased at the lower prices. An intimation is given that as soon as it is necessary to consume new and high priced materials there is a likelihood of further advances on furnaces.

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."

A HARD ROW TO HOE

Someone was talking about Goethals and the marvels he was working at Panama. It was a builder, meaning by that one of the innumerable band of sub-contractors that do their little part in building,—supplying sand or furnishing the cornice work or putting on the lightning rods. Being a builder he knew something about the secret sorrow, the skeleton in the closet as it were, of all builders; he knew about the jug-handle contracts and the unions.

"What if Goethals had to deal with a thoroughly organized bunch like we have here in New York City," said the builder.

The man who was listening was a builder, too, and he grasped the meaning of the question before it was finished. What if Goethals had had to deal with the New York or Chicago or San Francisco trade unions in build-

ing the Panama Canal?

Well, if the canal had been finished by now Goethals would have been a dead man three years ago. The strain would have broken him down; that ailment called nervous prostration, a tragic distemper which the generality of people regard as more or less imaginary, would surely have claimed him and some successor had shared the honors, per haps gotten them all.

Any one who has been behind the scenes in a building operation—one of these high speed little affairs that I was talking about last month—knows of a nerve wracking strain that is put on the chief persuader, as I will call him, the head man who jollies, coaxes, cajoles or threatens the dozens of sub-contractors who have to work together at each stage of a building operation.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



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Maybe it's a sub who has finished up a certain part of his work only to find some vandals in the shape of irresponsible unionists in some other line of work on the job have gone upon it and either ruined it or so injured it as to make an expensive restoration necessary. Or it may be that one sub has done his work in such disregard of drawings as to make another man's work come wrong.

This problem of misfits or mistakes on a high speed job is one that requires the very utmost of either diplomacy or brute bullying power, sometimes both, in the head man, the captain of this little industry of building a little skyscraper.

You know our business is building skyscrapers. That's what the newspapers call it, that's what the public calls it. Americans are skyscraper builders, that's what distinguishes them from all other nationalities. There's a romance about it all that is dear to the American heart. The skyscraper of all our institutions is the one the common or garden variety of American citizen is proudest of.

And all building in America is skyscraper building in the sense here used, whether it is a two-story bank building or one of the real sky-touchers.

So we'll get back to the little captain who is busy showing some patron whether it's an owner—rapacious, of course—of an architect—pernickety, of course—that he, the captain, can build a skyscraper in ninety days from moving out to moving in, all for the small sum of a quarter of a million dollars and not a cent more.

This little captain has his schedules and programs, his budgets and his allowances for this and that in money and time. All the subs have their parts laid out for them and the time set for their coming (on the job) and going. All are tied up with jug-handle contracts with penalties if they don't get done on time and somebody has the written right to throw them out on the street and do their work at their expense out of "retained moneys" if for any reason they don't perform.

Then comes the time for this one or that one to start on the job, and the job is not ready; the other fellow is slow and hasn't even got started. Then others "fall down." Very rarely the first man gets done before the second one is ready. Sometimes number two will make a job wait for a month in some one of its essential parts to the complete disarrangement of the captain's plans.

Then mistakes commence to show up; this or that thing has to be altered to make things come right. The sub has to be hauled on the carpet and coaxed or threatened to make him work his men overtime—at union rates—to undo the mistakes or to make up for lost time. Three or more concerns may be involved in

some error and a lawsuit might seem to be the only way to straighten it out. The diplomatic quality of the captain is now brought into play, and if he is a real captain the thing is all smoothed over and all the things are smoothed over and when moving-in time comes, or before, the key is in the front door and the captain is using up his nervous energy on some other job.

And the little subs—do they all make up fat little bills for all the overtime and wasted time—squandered in doing things twice and three times? And do they put in a few drummers' overcoats to pay them for their own time and their overhead expense? Well, sometimes they do. Not so much as they used to.

Too often they have to "sue for their money," or, rather, they used to. Nowadays it isn't worth while; too many of them are prostrated by doing work at too low prices and by the more and more exacting demands of their mechanics. Too many of the unhappy subs just take what they can get and go out and look for more jobs on which to repeat their past experiences.

And the captain, what of him? Oh, well, he is buried down below the surface of some organization, wearing himself out in the constant bickerings and argufying that goes on and on forever.

You will understand that I am speaking of the man-behind-the-gun kind of a captain, not of the figurehead captain, and I am speaking, too, of the typical one, not the exceptional one. The greatest contractor-buster in all the Russias is now a man of fifty. An iron man, to all appearance he has stood the shock of the attack of a thousand ruined sub-contractors who have dashed themselves to pieces against his rock-bound heart with vain pleas for extras to pay them for work done which had not been specified, which he had coaxed or bullied them into doing to his everlasting glorification in the eyes of merchant princes whose work he did, so that the merchant princes continued him in favor year after year and recommended him one to another so that he did millions of rubles' worth of work and never a contractor made a kopeck out of it.

The merchant princes call this man a Captain of Industry—of the building industry. I guess he is one. Still young, still strong, yet, as I claim, an exception to prove the rule.

The wear and tear on the man who is at the center—the heart—of this chaotic industry is very great. If he is a man like the late George Fuller, a real captain by the way, the interests entrusted to him make him their bulwark or defense against a thousand attacks from these same subs of whom I have just spoken with sympathy.

But that is the other side of the shield. George A. Fuller's career, successful and brilliant, proves my contention that the captains of the building industry have a hard row to hoe. Fuller died before him time.—Theodore Starrett, in "Architecture and Building."

TRADE NEWS AND NOTES.

**It was in 1870 that the first passenger elevator was installed in New York City, in the old Equitable Building, at Broadway and Cedar street. To-day there is now finished on the same site a building that contains a total of fifty (50) elevators, which is more than in any other building in the world.

**The per capita fire loss in New York City last year was \$1.06, which was the lowest in the history of the city, but large compared with the per capita loss in leading foreign cities: 42 cents in Austria, 63 cents in France, 67 cents in the United Kingdom, 17 cents in Germany, and 7 cents in the Netherlands. The Supervising Statistician, who makes the report, rightly suggests waiting to see if the low record for New York can be maintained through a series of years.

**The National Radiator Company, Johnstown, Pa., has appointed H. Tyler Kay advertising manager. Mr. Kay was formerly advertising manager for the Consolidated Engineering Company, Chicago.

**Bishop-Babcock-Becker, Cleveland, Ohio, has appointed Edward Dunston as a sales representative, with headquarters at the company's branch office in Pittsburgh.

**The National Committee of the Confederate Supply Associations announces that J. J. Cosgrove, of Philadelphia, has taken charge of the committee's public comfort station work as engineer-director, with headquarters at 261 Broadway, New York.

**Edwin A. Scott, formerly secretary of the American Society of Heating and Ventilating Engineers, has purchased "Sheet Metal," published monthly in New York. The June issue is the first to appear under Mr. Scott's direction. The publication is devoted to the furnace and sheet metal industries. Mr. Scott will have the good wishes of his many friends in the trade in his new work.

**The Pennsylvania Industrial Board, which must approve all safety devices before they may be used in the State, has formulated the following rule: "All applications for the approval of the board must be accompanied by the article itself or a working model for which application for approval is made. In all cases where the article has been approved by the Underwriters' Laboratories, the copy of such approval shall accompany said application."

**Robert H. Kelley has recently been appointed assistant sales manager of the Sand Mixing Machine Company, 52 Vanderbilt avenue, New York.

**Wilbur S. Wilding has been appointed Eastern representative of the International Filter Company, of Chicago, Ill., builder of filtration plants. Mr. Wilding will maintain offices in the Woolworth Building, New York City.

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 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
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 Chas. H. Robbins.....125 S. 11th st., Phila.
 The Rexim Co.....908 Chestnut st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
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 Frank C. Gillingham & Son Co.,
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Automobiles.
 Eastern Motors Corporation,
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 The Rexim Co.....908 Chestnut st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
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 Chas. H. Robbins.....125 S. 11th st., Phila.
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 O. W. Ketcham.....Builders' Exchange, Phila.
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 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
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 Graham-Campion Co.....Heed Bldg., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
 Russell and Keffer, Commercial Trust Bldg., Phila.
Builders' Iron Work.
 James G. Madden...Franklin Bank Bldg., Phila.
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 David France Co.,
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 Samuel H. French & Co.,
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 Lehigh Portland Cement Co., Penna. Bldg., Phila.
Cement Colors.
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 Charles H. Robbins.....125 S. 11th st., Phila.
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Electrical Specialties.
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.
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 American and Dauphin sts., Phila.
Furnaces and Ranges.
 Borden Stove Co.....118 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
Gas and Gas Appliances.
 United Gas Improvement Co.,
 Broad and Arch sts., Phila.
Granite.
 Holmesburg Granite Co.,
 Commercial Trust Bldg., Phila.
Heating Contractors.
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.
Heating Boilers.
 H. B. Smith.....1225 Arch st., Phila.
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 Harris J. Latta.....Penna. Bldg., Phila.
Iron Work (Structural and Ornamental).
 James G. Madden...Franklin Bank Bldg., Phila.
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 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.
Lumber.
 Currie & Campbell...Commonwealth Bldg., Phila.
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
 Howard Ketcham.....3d and Girard ave., Phila.
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
Marble Mosaic.
 Belfi Bros. & Co.....20-22 S. 19th st., Phila.
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 Builders' Steel Products Co.Fidelity Bldg., Phila.
 N. J. Wire Cloth Co.,
 Trenton, N. J., and 627 Market st., Phila.
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 The Barrett Co.....New York City and Phila.
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Roofing Tile.
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 The Fairbanks Co.....7th and Arch sts., Phila.
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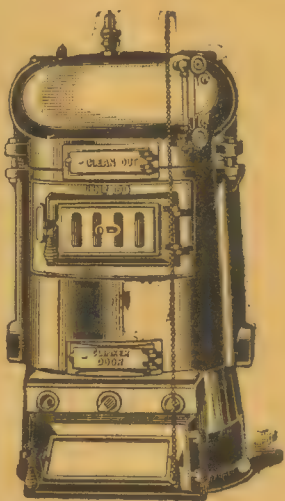
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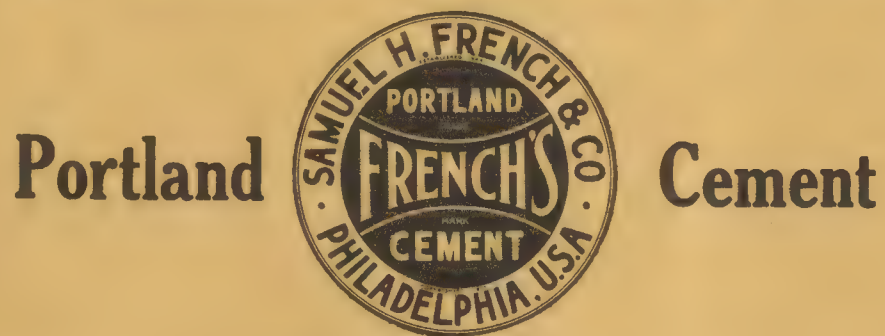
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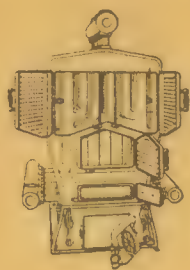


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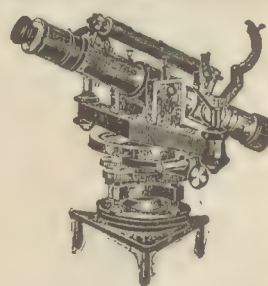
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Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXXI., No. 27.

PHILADELPHIA, WEDNESDAY, JULY 5, 1916.

Less than One Year
15 Cents per Copy

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL, AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Garage and Service Building, Twenty-third, Twenty-fourth, Walnut and Locust streets. Engineer, Wm. C. Haddock, the Wanamaker store, Philadelphia. Owner, John Wanamaker, Thirteenth and Market streets, Philadelphia. Brick, concrete, steel and terra cotta, 7 stories and basement, 241x119 feet, 1 story, 227x110 feet, roofing not decided, electric lighting, concrete and terrazzo floors, waterproofing and dampproofing, marble and slate work, rolling steel doors, metal doors, fire doors, safety treads. Wm. Steele & Sons, Sixteenth and Arch streets, taking sub-bids.

Power House, American and Somerset sts., Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Haffleigh & Co., on premises. Reinforced concrete and brick, 1 story, 45x70 feet, slag roof, concrete floors, ventilators, metal sash, fire doors. Architect taking bids, due July 10th. The following are figuring: Harry Brocklehurst, 512 W. Norris street; H. E. Baton, Twelfth and Sansom streets; Jacob Myers & Sons, Witherspoon Building; Hogg Const. Co., 1634 Sansom street; H. E. Grau Co., 1707 Sansom street; Bailey-Lush Co., 201 North Broad street; Geo. L. Sipps, 912 Locust street; J. Richard Jackson, Perry Building; Stacy Reeves & Sons, 2011 Market street, and A. L. Fretz & Sons, 1220 Chancellor street.

School (alt. and add.), Oak Lane, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Oak Lane Country Day School, Oak Lane, Philadelphia. Brick and stone, 3 stories, steam heating, electric lighting, tile work. Architect taking bids, due July 7th. The following are figuring: E. S. Radley, Park avenue and Olney avenue; M. E. Hauser, Glenside, Pa.; P. A. Waltz, 6610 North Seventh street; Henry P. Schneider, 3713 Old York road; Lam Building Co., 1001 Wood street; Freund-Siedenbach Co., Bulletin Building; Clinton Hammerly, Melrose Park, Philadelphia.

School Buildings (alts.), Various locations. Architect, J. Horace Cook, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Consists of minor alterations. Owners taking bids, due July 7th.

The following are figuring: W. W. Anstine & Co., 1218 Filbert street; Standard Construction Co., Drexel Building; E. C. Durell, 1713 North Twenty-fourth street; J. H. Jordan, Thirty-first and Oxford streets; McCloskey & Bahls, Hale Building; Mitchell Bros., 2125 Race street.

Residence (alts.), 6419 Sharwood road. Architect, E. D. Slater, 4907 Wynnefield avenue. Owner, name withheld. Consists of new bathroom. Architect taking bids, due July 1st. E. J. Kreitzburg, 1345 Arch street, is figuring.

Restaurant (alts.), southeast corner Twelfth and Filbert streets. Architect, F. T. Uezzell, 147 North Third street, Philadelphia. Owner, N. B. Springer, on premises. Electric lighting, metal lath, oak floors, composition floors (plumbing, heating and tile work reserved). Architect taking bids, due July 10th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Jacob Myers & Sons So., Witherspoon Building; Wm. R. Dougherty, 1610 Sansom street; A. Raymond Raff Construction Co., 1625 Thompson street, and F. L. Hoover & Sons, 1023 Cherry street.

Residence, Oak Lane, Philadelphia. Architect, E. D. Salter, 4907 Wynnefield avenue, Philadelphia. Frame, 2½ stories, 39x26 feet; garage, 22x16 feet, slate roof, steam heating, tile work (electric work reserved). Architect taking revised bids, due July 7th. The following are figuring: E. J. Kreitzburg, 1345 Arch street; J. Paul Emery, 4907 Wynnefield avenue; Arthur V. Turner, 6328 Camac street; P. Wm. Huster, Sixty-eighth and Sydenham streets, Philadelphia.

Residences (60), Mulberry and Summit sts., Darby, Pa. Architect, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, Frank Hoppe, Sixty-fifth and Girard avenue, Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, hot water heating, combination lighting, tile work, hardwood floors. Architects taking sub-bids on all lines.

Store and Apartments (alts.), Fortieth and Irving streets, Philadelphia. Architects, Savery & Schoetz, Stephen Girard Building, Philadelphia. Owners, S. S. White Dental Mfg. Co., Twelfth and Chestnut streets,

Philadelphia. Brick, 3 stories, slag roof, metal lath, tile work (heating, plumbing and electric work reserved). Architects taking bids, due July 5th. The following are figuring: F. E. Wallace, 1220 Chancellor street; F. A. Havens & Co., 845 North Nineteenth street; Pomeroy Construction Co., 1609 Ranstead street; Wm. R. Dougherty, 1610 Sansom street; F. L. Hoover & Sons, 1023 Cherry street, and R. C. Ballinger & Co., 218 North Thirteenth street.

Residence (alt. and add.), 4170 Leidy avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Harry Pottash, 506 North American street, Philadelphia. Consists of general interior and exterior alterations, cabinet work, tile work, inlaid hardwood floors, hot water heating, slag roof, plumbing, combination lighting. Plans about completed. Owner and architect taking bids.

Residences (26) and Stores (2), F and Tioga streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Finestone & Mittelman, 2528 South Seventh street. Brick and stone, 2 stories, 15x50 feet and 14x41 feet, slag roof, hot water heating, hardwood floors, tile work, combination lighting. Owners will be ready for sub-bids in about ten days.

Residence, Oak Lane, Philadelphia. Architect, E. D. Salter, 4907 Wynnefield avenue, Philadelphia. Owner, Walter Klepfor, 1327 Colwyn street, Philadelphia. Stone and plaster, 2½ stories, 27x36 feet, slate roof, hot water heating, tile work, oak floors (electric work reserved). Architect taking bids, due July 7th. The following are figuring: E. J. Kreitzburg, 1345 Arch street; J. Paul Emery, 4907 Wynnefield avenue; Arthur V. Turner, 6328 Camac street; P. M. Huster, Sixty-eighth and Sydenham streets, Oak Lane.

Church, Oxford and Clarion streets, Philadelphia. Architect, private plans. Owners, Oxford Baptist Church, on premises. Brick, 2 stories, 32x50 feet, tin roof, electric lighting, steam heating. Owners taking bids. Wm. J. Robinson, 1508 Lombard street, is figuring.

Factory and Power House, Janney and Monmouth streets, Philadelphia. Architect, Chas. E. Oelschlager, Harrison Building, Philadel-

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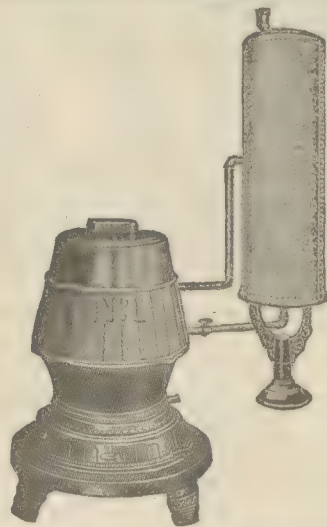
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phia, and Albert B. Grooves, St. Louis, Mo. Owners, Ferris Shoe Co., St. Louis, Mo. Brick, main building, 5 stories, 41x250 feet, power house, 1 story, 50x50 feet; office building, 1 story, 50x50 feet, slag roof, fire doors (heating, electric work, sprinklers and elevators reserved). Revised plans in progress.

Garage, Forty-seventh and Paschall avenue, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Robert L. Chalfant, 6158 Columbia avenue, Philadelphia. Brick, 1 story, 53x128 feet, slag roof, steel sash (plumbing, heating and electric work reserved). Architects taking bids, due July 5th. The following are figuring: H. H. Burrell, 206 E. Quince street; H. E. Baton, Twelfth and Sansom streets; Ketcham & McQuade, 1029 Brown street; Armstrong & Latta, Land Title Building; Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Long & Dothard, Commercial Trust Building; A. Raymond Raff Construction Co., 1635 Thompson street; Pomeroy Const. Co., 1609 Ranstead street; Wm. R. Dougherty, 1610 Sansom street, and James M. Holm, 5556 Arch street, Philadelphia; F. B. Davis, 240 North Sixth street; Thomas C. Trafford, 1613 Sansom street.

Store Buildings, 1006 and 1008 Market st., and 6 and 8 South Tenth street. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owner, Samuel Snellenburg, Eleventh and Market streets, Philadelphia. Brick and terra cotta, 1 and 2 stories, 42x137 feet and 44x36 feet, slag roof, metal lath fire doors, roof ventilators, tile work, elevator, dampproofing (heating and electric work reserved). Builders Wm. Steele & Sons Co.,

1600 Arch street, taking sub-bids.

Store Buildings (alt. and add.), 923 Arch street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, L. W. Hirsch Co., on premises. Brick, consists of an additional story and interior alterations. Plans completed. Architect will take bids in a few days.

Factory and Warehouse (alt. and add.), 218 and 220 Race street. Architect, private plans. Owner, Rushton Marot, 212 Race street, Philadelphia. Brick, 4 stories, 26x104 feet, slag roof, reinforced concrete floors, metal sash, fire doors, freight elevator (heating and electric work reserved). Owner has received bids.

Residence and Garage, Rising Sun and Geneva avenues, \$20,000. Architects, Simon & Bassett, 1114 Chestnut street, Philadelphia. Owner, Wm. H. Margerison, Jasper and Huntingdon streets, Philadelphia. Brick and plaster, 2 1/2 stories, 30x50 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Revised plans in progress.

Church, Sixty-third and Malvern streets, Philadelphia. Architects, Sheen & Bill, 450 N. Wilton street, Philadelphia. Owners, Overbrook Baptist Church, Rev. David K. Wood, 1618 North Robinson street, Philadelphia. Stone, 1 story, 32x50 feet, slag roof, steam heating, electric lighting, roof ventilators. Architects taking bids, due July 6th. The following are figuring: G. W. Gardiner, 511 North Fortieth street; E. E. Hollenback, Fifteenth and Race street; Stacy Reeves & Sons, 2011 Market street; Pomeroy Construction Co., 1609 Ranstead street; Thomas C. Trafford, 1613 Sansom street; E. V. Holland, Upper Darby, Pa.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Loft Building, 1219 to 1223 Vine street, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Claude S. Jarvis, 1217 Vine street, Philadelphia. Brick, concrete and terra cotta, 3 stories, 57x140 feet, composite roof, steam heating, electric lighting, metal lath, dampproof-

ing, sprinkler system, elevator, kalamein doors, steel sash, fire doors, roof ventilators, tile work, maple floors. Contract awarded to Hogg Const. Co., 1634 Sansom street, Philadelphia.

Garage and Service Building, 329 to 335 South Board street, Philadelphia. Architect,

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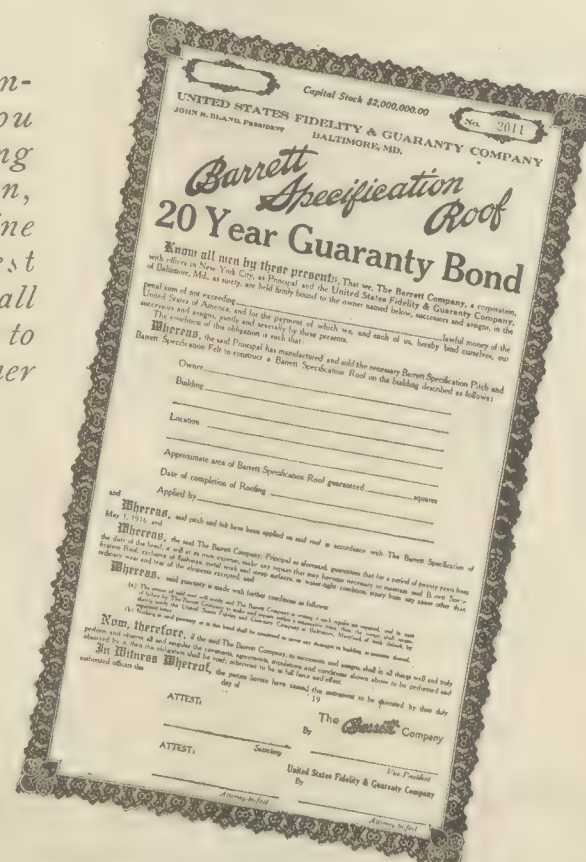
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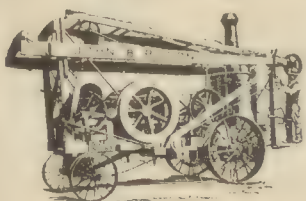
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Carl P. Berger, 1416 S. Penn Square, Philadelphia. Owners, Penna. Taximeter Cab Co., J. T. Kinsley, Gen. Mgr., 1407 Locust street, Philadelphia. Reinforced concrete, brick, stone and steel, fireproof, 10 stories, 89x150 feet, slag roof, metal sash, metal doors, fire doors (electric lighting, plumbing, heating, elevators, sprinklers, oil and gasoline storage systems reserved). Contract awarded to Cramp & Co., Denekla Building, Philadelphia.

Dye Works (add.), Estaugh and J streets, Philadelphia, \$9,000. Architect, C. T. Bismwanger, 411 Walnut street, Philadelphia. Owner, Emil Veit, Twelfth and Cheltenham avenues, Oak Lane, Philadelphia. Brick and concrete, 2 stories, 26x69 feet, slag roof. Contract awarded to Robert Beatty & Bro, 2721 E. Fletcher street.

Rectory, Twenty-ninth and Allegheny avenue, Philadelphia. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, Corpus Christi R. C. Church, Rev. Henry

A. Naylor, 2908 Allegheny avenue, Philadelphia. Stone and brick, 3 stories, slate and slag roof (steam heating, electric lighting and plumbing separate bids). Contract awarded to Wm. J. McShane, 417 South Thirteenth street, Philadelphia.

Church, Front and Allegheny avenue, Philadelphia. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Providence M. E. Church, Rev. W. B. Smith, 3424 N. Front street. Stone, 1 story, 54x62 feet, slate, tin and slag roof, electric lighting (heating and plumbing separate bids). Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Garage, Juniper and Vine streets, Philadelphia. Architects, Shore & Dodge, 608 Chestnut street, Philadelphia. Owner, Norris Estate, care of architects. Brick, 2½ stories, 112x46 feet, gravel and tin roof, steel sash, elevator. Contract awarded to Lansdowne Const. Co., Lansdowne, Pa.

PENNSYLVANIA Construction News

Residence (alt. and add.), Bryn Mawr, Pa. Architect, John Irwin Bright, 1701 Chestnut street, Philadelphia. Owner, F. King Wainwright, Bryn Mawr, Pa. Stone, hollow tile and plaster, 2 stories, shingle roof, oak floors, metal lath (heating, plumbing and electric work reserved). Architect taking bids, due July 8th. The following are figuring: Henry L. Brown, 1714 Sansom street; H. E. Baton, Twelfth and Sansom streets; Wolf & Dilworth, Bryn Mawr, Pa.; Alfred James, Bala, Pa., and Joseph J. Graham, Bryn Mawr, Pa.

School Building, Rockdale, Pa., \$20,000. Architect, W. E. Hance, 204 W. Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care Wm. E. Griffith, Rockdale, Pa. Brick, stone trimmings, 2 stories, 50x90 feet, slag roof, metal lath, slate blackboards, roof ventilators (heating, plumbing and electric work separate bids). Owners taking bids, due July 5th. The following are figuring: P. J. Hurley, 1233 Cherry street; Hogg Construction Co., 1634 Sansom street, and McCloskey & Bahls, Hale Building.

Gardener's Cottage, St. Davids, Pa. Architect, D. K. Boyd, Fifteenth and Walnut sts., Philadelphia. Owner, Charles S. Walton, St. Davids, Pa. Brick and stone, 2 stories, 75x58 feet, tile and slag roof, hot water heating, electric lighting, tile work. Architect has received revised bids.

Residence (alt. and add.), Brandywine Summit, Pa. Architects, Ballinger & Perrot Seventeenth and Arch streets, Philadelphia. Owner, John S. McConnell, Brandywine Summit, Pa. Frame, 2½ stories, slate and tin roof, hot water heating. Owner has received bids.

Freight Warehouses (2), Harrisburg, Pa. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Brick and reinforced concrete, 4 stories, 50x450 feet, and 1 story, 20x450 feet,

slag roof, metal lath, waterproofing, steam heating, electric lighting, fire doors, sprinkler system, steel sash, (5) elevators. Owners taking bids, due July 19th. The following are figuring: Warren, Moore & Co., Commercial Trust Building; Cramp & Co., Denekla Building; Bailey-Lush Co., 201 N. Broad street; Irwin & Leighton, 126 North Twelfth street; Lincoln H. Smith, 23 North Sixty-third st.; Roydhouse-Arey Co., Fidelity Building; Jacob Myers & Sons Co., Witherspoon Building; Charles McCaul Co., 1713 Sansom street; Turner-Concrete Steel Co., 1713 Sansom st.; Hughes-Foulkrod & Co., Commonwealth Building; Metzger & Fisher, Denekla Building; Brown-King Const. Co., Heed Building; Wm. Steele & Sons Co., 1600 Arch street; Alex. Chambley, 243 South Tenth street, all of Philadelphia; W. H. Fissell & Co., Marbridge Building, N. Y. City; J. E. Kuhn & Co., Harrisburg, Pa.; W. F. Trimble & Sons, 1719 Penna. avenue; Pittsburgh, Pa.; George G. Rossell, Triangle Building, Rochester, N. Y.; J. Henry Miller, Inc., Eutaw and Franklin streets, Baltimore, Md.

Church, Wayne, Pa. Architect, private plans. Owners, Second Baptist Church of Wayne, care Rev. Mr. McLean. Brick, 40x70 feet, tin roof, electric lighting, steam heating. Owner taking bids. Wm. J. Robinson, 1503 Lombard street, is figuring.

Residences (3), Rydal, Pa., \$30,000. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owners, name withheld. Stone, 2½ stories, 60x25 feet each, shingle roofs, vacuum or hot water heating, electric lighting, hardwood floors, tile work. Plans completed. Architects ready for bids.

Residence (alt. and add.), Wynnefield, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner, Mrs. W. Henry Sutton, Haverford, Pa. Stone, 2½ stories, shingle roof, electric lighting, oak floors. Owner has received bids.

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Pennsylvania Building

School, Birdsboro, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, D. Hunter Watts, Secretary. Brick, hollow brick, 1½ stories, 81x60 feet, composition roof, hot air heating, maple floors, metal lath, fire doors, slate blackboards, dampproofing. Plans in progress.

Club House, Reading, Pa., \$17,000. Architect, Calvin J. Young, 820 Washington street, Reading, Pa. Owners, Washington Firemen Relief Association, Reading, Pa. Brick, 2 stories, 110x40 feet, slag roof, steam heating, electric lighting, hardwood floors, waterproofing. Architect ready for bids in one week.

School (add.), Birdsboro, Pa., \$7,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, D. Hunter Watts, Secretary. Brick, 2 stories, 26x32 feet, slate roof, hot air heating, maple floors, waterproofing and dampproofing, fire doors, slate blackboards. Plans in progress.

Picture Theatre (alt. and add.), Reading, Pa., \$3,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Howard S. Rontz, Reading, Pa. Brick, frame and stucco, 1 story and balcony, 20x40 feet, tile roof, electric lighting, maple floors, waterproofing and dampproofing, ventilators. Plans in progress.

Residence, Birdsboro, Pa., \$4,000. Architect, Geo. L. Gerhard, 516 Penn street, Reading, Pa. Owner, Harry Hart, Birdsboro, Pa. Brick, 2½ stories, 25x32 feet, slate roof, hot water heating, electric lighting. Architect ready for bids.

Sunday School, Allentown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. James Lutheran Church, Allentown, Pa. Stone and brick, 2½ stories, 52x70 feet, slate and tin roof, steam heating, electric lighting. Owners taking sub-bids on all lines.

Post Office, Pottstown, Pa. Architects, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treas-

ury Department, Washington, D. C. Limestone, granite, brick and steel, 2 stories, 101x60 feet, slag roof, steam heating, electric lighting, tile and marble work, metal lath, kalamein doors, roof ventilators. Low bidders on limestone, Richardson & Burgess, Washington, D. C., \$69,888; on sandstone, Edward F. Fonder, Land Title Building, Philadelphia, \$74,700.

Residence (alts and adds.), Wyebrooke, Pa., Architects, Baily & Bassett, 421 Chestnut st., Philadelphia. Owner, Wm. M. Potts, Wyebrooke, Pa. Stone, 2 stories, 36x40 feet, 20x40 feet and 16x19 feet, tile roof, steam heating, hollow tile floors, parquet floors. Architects taking bids, due July 7th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; Jacob Myers & Sons Co., Witherspoon Building; Thos. M. Seeds, Jr., 1207 Race street.

Residence, Meadowbrook, Pa. Owner, Edward H. Fitch, 519 North Broad street, Philadelphia. Architects, Tilden & Register, 1713 Sansom street, Philadelphia. Stone and plaster, 2½ stories, 64x35 feet, wing, 40x26 feet, shingle roof, oak floors, metal lath, tile and marble work (heating and electric work separate bids). Architects taking bids, due July 10th. The following are figuring: Elfret & Co., 1708 Sansom street; F. B. Davis, 240 North Sixteenth street; A. L. Fretz & Son, 1222 Chancellor street; James B. Flounders, 1329 Arch street; H. H. Burrell, 206 South Quince street; Henry L. Brown, 1714 Sansom street; Specht & Sperry, Heed Building, Philadelphia; W. John Stevens, Wyncote, Pa.

Residence and Garage (alt. and add.), Haverford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, James W. Oakford, Haverford, Pa. Stone and frame, 2½ stories, shingle roof, oak floors, metal weatherstrips, metal lath, dampproofing (heating and electric work reserved). Architects taking bids, due July 8th. The following are figuring: Elfret & Co., 1708 Sansom street, Philadelphia; Gray Bros., Rosemont, Pa.; Milard N. Croll, Radnor, Pa.

PENNSYLVANIA

Contracts Awarded

Garage, Narberth, Pa., \$1,200. Architect, private plans. Owner, E. Townsend Zook, 112 Elmwood avenue, Narberth, Pa. Stone, 1 story, 20x23 feet, composition shingle roof, electric lighting, cement floors. Contract awarded to A. G. Smith, 6490 Woodbine avenue, Philadelphia.

Residence, Willow Grove, Pa. Architects, E. J. Holmes & Co. and C. Wharton Churchman, 1525 Locust street, Philadelphia. Owner, Daniel Bray, Mill street and Holmesburg avenue, Philadelphia. Stone, 2½ stories, 91x29 feet, slate roof, electric lighting, oak floors, tile work, metal lath (heating reserved). Contract awarded to E. D. Lever, Abington, Pa.

Residence (alt. and add.), Narberth, Pa.

Architect, Wesley L. Blithe, 608 Chestnut street, Philadelphia. Owner, John B. Williams, care of Curtis Publishing Co., Philadelphia. Stone and frame, 2½ stories, 16x12 feet, porch, new bath room and general alterations, shingle roof, steam heating, electric lighting, hardwood floors, tile work. Contract awarded to Charles C. Pace, Merion, Pa.

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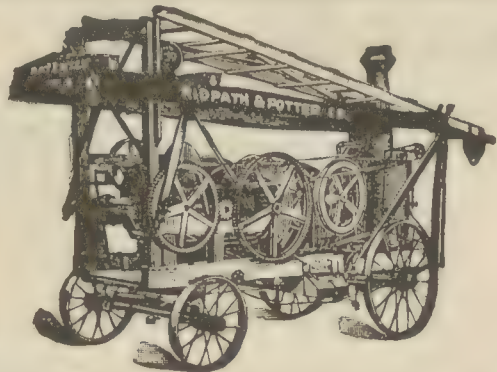
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New Jersey Construction News

Farm Buildings (alt. and add.), Lawrenceville, N. J., \$10,000. Architects, W. W. Slack & Son, Amer. Mechanics Building, Trenton, N. J. Owner, Professor Russell, Lawrenceville, N. J. Frame, 1 story, 30x60 feet, shingle roof, electric lighting. Plans in progress.

School, Lumberton, N. J. Architect, H. A. Brown, Burlington, N. J. Owners, School Board of Lumberton Township, Frank Cotton, Lumberton, N. J. Brick, 1 story, 75x48 feet, asbestos shingle roof, steam heating, electric lighting, waterproofing, kalamein fire doors, ventilators. Ready for bids.

Church and Sunday school, Greenwood avenue, Trenton, N. J., \$25,000. Architect, W. W. Slack & Son, Amer. Mechanics Building, Trenton, N. J. Owners, Gethsemane Baptist Church, Rev. C. P. Newton, 214 Garfield avenue, Trenton, N. J. Brick, 1 story and balcony, 63x34 feet, slate roof, steam heating, electric lighting, maple floors. Plans in progress.

Cottages (2), Bordentown, N. J., \$5,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owners, State Industrial School, Bordentown, N. J. Frame, 2½ stories, 30x19 feet, shingle roof, steam heating, electric lighting. Owners have received bids.

Residence, Greenwood avenue, Trenton, N. J., \$32,000. Architect, private plans. Owner, Samuel Tilton, Trenton, N. J. Brick, 2½ stories, 14x33 feet, slate and tin roof, hot water heating, electric lighting. Owner is sub-letting all contracts.

Theatre, Store and Apartments, Riverside, N. J. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Fox's Theatre, Riverside, N. J. Brick, 2 stories, 120x180 feet, slag roof, steam heating, electric lighting. Plans completed. Owner is ready for bids.

New Jersey Contracts Awarded

Church (alt. and add.), Hillcrest avenue, Trenton, N. J., \$5,000. Architect, private plans. Owners, Grace Evangelical Lutheran Church, Trenton, N. J. Frame and stucco, 1 story, 21x39 feet, slate roof. Contract awarded to Ed. D. La Rue, 53 S. Hermitage street, Trenton, N. J.

Residence, Delawareview avenue, Trenton, N. J., \$5,000. Architect, private plans. Owner, Lewis C. Case, Forst Hickey Building, Trenton, N. J. Brick and frame, 2½ stories, 30x34 feet, slate roof, hot water heating, electric lighting. Contract awarded to Ed. D. La Rue, 53 S. Hermitage avenue, Trenton, N. J.

Church, Calhoun and Belvidere streets, Trenton, N. J., \$15,200. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Shilo Baptist Church, Trenton, N. J. Brick, 1 story and balcony, 36x61 feet, slate roof, steam heating, electric lighting, (3) ventilators. Contract awarded to Scott & Day, Interstate Telephone Building, Trenton, N. J.

Car Shops and Offices, Pennsville, N. J. Engineers, Stern & Silverman, Land Title Building, Philadelphia. Owners, Salem and Pennsgrove Traction Co., care engineers. Brick, steel and concrete, 1 story, 32x127 feet, slag roof, metal lath, fire doors, safety treads, marble work, pine and wood block floors (heating and electric work reserved). Contract awarded to Chas. D. Burns, Drexel Building, Philadelphia.

Store, Lyndale avenue, Trenton, N. J., \$5,000. Architect, private plans. Owner, Harry Miller, 923 Lyndale avenue, Trenton, N. J. Brick, 2½ stories, 20x40 feet, slate and tin roof, steam heating, electric lighting. Contract awarded to David Tietz & Son, Trenton, N. J.

Residence, Sumner, N. J. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owner, Frank H. Bachman, 1512 Chestnut street, Philadelphia. Brick and plaster, 2 stories, 61x42 feet, shingle and tin roof, oak floors, tile work, book cases and mantles waterproofing (heating and electric work reserved). Contract awarded to George W. Shaner, Palmyra, N. J.

School Building, Newfield, N. J., \$30,000. Architects, E. F. Durang & Son, 10 South Eighteenth street, Philadelphia. Owners, Board of Education, Newfield, N. J. Donor, A. A. Hirst, 1200 Chestnut street, Philadelphia. Brick, stone trimmings, 75x80 feet, slag roof, steam heating, electric lighting, slate blackboards. Contract awarded to J. James D. Pasquale, Vineland, N. J.

Miscellaneous Construction News

Factory, Third and French streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, W. H. Hartlove, Wilmington, Del. Brick and steel, 2½ stories, 40x60 feet, slag roof, steam heating, electric and gas lighting, reinforced concrete floors, steel sash, waterproofing and dampproofing, elevator. Architect has received bids.

Schools (2), Cambridge, Md., \$20,000 and \$8,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Cambridge, Md. Brick, 2 stories. Owners taking bids, due July 6th. The following are figuring: James Hirons, Dover, Del.; Talley & Syfort, of Wilmington, Del., and Ernest J. Cambridge, Md.

Residence, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Mrs. Jos. A. Borge, 909 Adams street, Wilmington, Del. Brick and stone, 3 stories, 26x40 feet, slate roof, hot water heating, electric lighting, hardwood and tile floors, waterproofing and dampproofing. Architects have received bids.

Bakery, Fourth and Union streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Dalmavia Baking Co., Wilmington, Del. Brick, steel and terra cotta, 2 stories, 30x80 feet, slag roof, steam heating, combination lighting, steel sash, dampproofing and waterproofing, elevator, baking equipment. Architect has received bids.

Hospital Buildinrs (8), Washington, D. C. Architects, Hugh N. McAlvey and Machlin & Starr, Wilkins Building, Washington, D. C. Owners, U. S. Government, Soldiers Home Hospital, Washington, D. C. Brick and stone, 2½ and 3 stories, 91x56 and 87x39 feet, wing 28x34 feet, slate, slag, tin and copper roof, hot water heating, metal lath, waterproofing, tile work. Owners taking bids, due July 8th. In addition to those previously reported; Warren, Moore & Co., Commercial Trust Building, are figuring.

Hotel (alt. and add.), Washington, D. C. Architect, A. Burch Fitz Simmons, Bond Building, Washington, D. C. Owners, Harrington Hotel Co., Washington, D. C. Brick, terra cotta and steel, 11 stories, 74x51 feet, composition roof, steam heating, electric lighting, tile and marble work, hollow tile fire

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proofing, waterproofing, metal lath, two elevators, roof ventilators, iron stairs. Architect taking bids, due July 12th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Passenger Station, Wapakoneta, Ohio. Engineer, M. A. Long, Baltimore and Ohio Building, Baltimore, Md. Owners, the Cincinnati, Hamilton and Dayton Railway Co. (Baltimore and Ohio Railroad Co.), Baltimore, Md. Brick, 1 story, 70x20 feet; tile roof, steam heating,

metal lath, dampproofing, tile and marble work. Owners taking bids, due July 10th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Experimental Buildings (2), Wilmington, Del. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner, Francis I. DuPont, Wilmington, Del. Frame and plaster, 1 story, 16x32 feet each, asbestos shingle roof, metal lath. Contract awarded to A. S. Reed & Bro., 815 Shipley street, Wilmington, Del.

MARYLAND Construction News

Studio, Linden avenue above Whitelock st., Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Bacharach Photographic Studios, Baltimore, Md. Brick and concrete, 2 or 3 stories, 40x90 feet, slag roof, hot water heating, electric lighting. Plans in progress. Will take bids in about three weeks.

Apartment, Pimlico Circle, near Reisterstown road, Baltimore, Md. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore, Md. Owner, John J. Carlin, 217 St. Paul street, Baltimore, Md. Brick, concrete, stone trimmings, 3 stories, 46x160 feet, tile or slag roof, steam heating, electric and gas lighting, six dumb waiters, tile and terrazzo floors. Plans in progress.

Apartment House, University Parkway and Roland avenue, Baltimore, Md., \$85,000. Architect, Edw. L. Palmer, Munsey Building, Baltimore, Md. Owners, Kensington Apartment Co., on premises. Brick, 4 stories, slate roof, steam heating, electric lighting, tile work. Plans in progress.

Laboratory (add.), Broadway and Manumet streets, Baltimore, Md. Architects, Archer & Allen, 3 East Lexington street, Baltimore, Md. Owners, Johns Hopkins Hospital, on premises. Brick, 1 story. Plans completed. Architects ready for bids.

Guild House, Columbia avenue and Collender streets, Baltimore, Md. Architects, Smith & May, Calvert Building, Baltimore, Md. Owners, St. Paul Guild House, Rev. Arthur B. Kinsolving, 24 West Saratoga street, Baltimore, Md. Brick, 2 stories, 122x126 feet, slag roof, dampproofing, metal sash, reinforced concrete work (heating, plumbing and electric work reserved). Architects taking bids, due July 6th. The following are figuring: Edw. Brady & Son, 1109 Cathedral

street; Cowan Building Co., 106 West Madison street; Consolidated Eng. Co., Calvert Building; Clarence Stubbs, Equitable Building; W. E. Burnham, Law Building; B. F. Bennett Building Co., 123 South Howard street; D. M. Andrews Co., Mt. Vernon and Twenty-sixth streets, Philadelphia.

Building, McComas street, Baltimore, Md. Architect, F. L. Simon, Commerce and Water streets, Baltimore, Md. Owners, Coastwise Shipbuilding Co., Fidelity Building, Baltimore. Concrete, steel and frame, 3 stories, 41x200 feet, metal roof, plumbing. Owners have received bids.

Factory Buildings, Bayard and Keyser streets, Baltimore. Architect, J. E. Moxley, Jr., 1709 Edmondson avenue, Baltimore. Owners, H. B. Davis Co., Keyser Building, Baltimore, Md. Brick and concrete, 1 story, 16x24 feet, 1 story; 22x24 feet, 1 story; 22x23 feet, 1½ stories, 27x50 feet. Architect taking bids, due July 12th. The following are figuring: C. E. Stubbs, Equitable Building; Thos. B. Stanfield & Co., 212 Clay street; West Const. Co., Knickerbocker Building; B. F. Bennett Building Co., 123 South Howard street; John Waters Building Co., 23 East Center street.

Sub-station, Belvidere avenue, Baltimore, Md. Architects, Francis Francis E. Tormey, Gunther Building, Baltimore, Md. Owners, Maryland E. R. Co., Continental Building, Baltimore, Md. Concrete, 1 story, 49x71 feet, slag roof, steel rolling doors, steel sash, ventilators, metal work, plumbing. Architect has received bids.

Warehouse, 107 Cheapside, Baltimore, Md. Architect, Robert H. S. Hughes, Jr., 104 East Saratoga street, Baltimore, Md. Owners, Drury, Lazenby & Co., 108 South street, Baltimore, Md. Brick, 5 stories, 65x23 feet, slag

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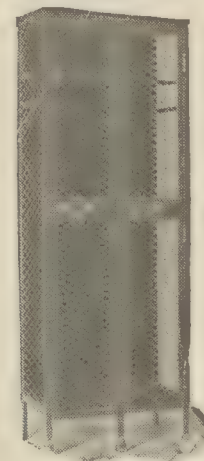
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Pier, Locust Point, Md., \$500,000. Engineer,

F. L. Stuart, Baltimore, Md. Owners, Baltimore and Ohio Railroad Co., Baltimore, Md. Concrete and wood, 1,000x150 feet. Contract awarded to H. S. Kerbaugh, Inc., 723 Munsey Building, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Phila. Paper Mfg. Co. (O), Nixon street, Manayunk. Kellie Bros. (C), 480 Harmon road. Cost, \$7,500. Reinforced concrete, 45x56 feet, 2 stories, slag roof, Nixon street and Fountain street.

Alfred Steinhauer (O and C), 424 North Fifth street. Cost, \$35,200. Sixteen dwellings, brick, 15x37 feet, slag roof, hot water heating, 2 stories, Seventh and Tabor road. Samuel Berger (O and C), 1950 North Sixth street. Cost, \$20,000. Four dwellings, brick, 15x60 feet, hot water heating, slag roof, 3 stories, Broad and McFarren streets.

Francis Hennessy (O), Drexel Building. Hyman Yacknitz (C), 203 South Fifth street. Cost, \$42,000. Fifteen dwellings, brick, 16x46 feet, hot water heating, slag roof, 2 stories, Broad and Wingohocking streets.

Thos. Danauher (O), 4452 Germantown avenue. D. W. O'Dea (C), 5227 North Fifth st. Cost \$16,800. Dwellings, brick, 15x44 feet, hot water heating, slag roof, 2 stories, Seventeenth and Cayuga streets.

P. Wm. Huster (O and C), 1309 North Russell street. Cost, \$42,000. Fourteen dwellings, brick, 16x37 feet, 3 stories, hot water heating, slag roof, Sixty-eighth and Sydenham streets.

Board of Education (O), Nineteenth, south of Market street. Warren Moore & Co. (O), 520 Commercial Trust Building. Cost, \$180,000. School, reinforced concrete, 214x219 feet, 3 stories, as per plans, slag roof, Fifty-fifth and Chestnut streets.

W. C. Scull (O and C), 5705 Master street. Cost, \$92,400. Thirty-five dwellings, brick, 2 stories, slag roof, hot water heating. Thirteen dwellings, 15x42 feet, Willows avenue and Frazier street. One dwelling, 16x42 feet, Fifty-seventh and Willows avenue. Eighteen dwellings, 15x42 feet, Fifty-seventh and Willows avenue. One dwelling, 15x42 feet, Fifty-eighth and Willows avenue. Two dwellings, 16x42 feet, Willows avenue and Frazier street.

Electric Storage Battery Co. (O), Nineteenth and Allegheny avenue. Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$65,000. Building, concrete and stone, felt and slag roof, 155x133 feet, 1 story, Nineteenth and Westmoreland streets.

Abram Berman (O and C), 2502 South Third street. Cost, \$165,000. One hundred and one dwellings, brick, hot water heating, slag roof, 2 stories. Six dwellings, 15x42 feet, Second and Shunk streets. Fifteenth dwellings, 15x

42 feet, Second and Shunk streets. Twenty dwellings, 14x39 feet, American and Shunk streets. Twenty dwellings, 14x39 feet, American and Shunk streets. Twenty dwellings, 14x39 feet, Philip and Shunk streets. Twenty dwellings, 14x39 feet, Philip and Shunk streets.

Hulton Printing Process & Dye Co. (O), 3851 Frankford avenue. Geo. H. Think (C), 4104 Orchard street, Frankford. Cost, \$25,000. Building, concrete, 185x60 feet, 2, 3 and 4 stories additions, Walnut lane, Frankford.

S. A. Buckman (O and C), 4234 Otter street. Cost, \$28,000. Eight dwellings, brick, hot water heating, slag roof, 2 stories, 18x34 feet, Somerville avenue and Marvine streets.

John T. Adair (O and C), 6900 Second street pike. Cost, \$10,500. Seven dwellings, brick, hot air heating, slag roof, 15x40 feet, Fanshaw and J streets.

Francis Hennessy (O), Drexel Building. H. Yackintz (C), 203 South Fifth street. Cost, \$5,000. Dwelling, brick, 16x63 feet, slate roof, hot water heating, 3 stories, Broad and Wingohocking streets.

Emil Veit (O), northwest corner Estaugh and J streets. Robert Beatty & Bro. (C), 2321 E. Fletcher street. Cost, \$8,000. Building, stone, 2 stories, 26x69 feet, Estaugh and J streets.

I. Kleiman (O), Eighty-fourth and Gibson avenue. Kleiman & Jorochoff (C), Eighty-fourth and Gibson avenue. Cost, \$91,000. Thirty-six dwellings, brick, hot water heating, slag roof, 2 stories. Two dwellings, 15x49 feet, and thirty-four dwellings, 15x40 feet, Fifty-ninth and Trinity streets.

H. H. McVaugh (O), 2027 E. Allegheny avenue. W. R. Brown (C), 2145 E. Fifth street. Cost, \$2,500. Garage and stable, brick, 18x52 feet, slag roof, 2026 E. Madison street.

Geo. C. Fossil (O and C), 128 E. Cheltenham avenue. Cost, \$1,500. Garage, brick, 28x40 feet, 2 stories, slag roof, 5606 Utah street.

Edward J. Gleason (O), 342 E. Price street. D. W. O'Dea (C), 5227 North Fifth street. Cost, \$3,000. Dwellings, brick, 16x51 feet, 2 stories, hot water heating, slag roof, 420 Lindley avenue.

Samuel Snellenburg (O), Twelfth and Market streets. Wm. Steele & Sons Co. (C), 1600 Arch street. Cost, \$55,000. Store and building, concrete, steam heating, slag roof, 2 stories, Market street side, 44x180 feet, Tenth street side, 38x44 feet, 1006-8 Market street, 6 and 8 South Tenth street.

Alterations and Additions

Wm. H. Bratton (O), Leiper and Foulkrod streets. G. W. Crosley (C), 22664 Bridge street. Cost, \$1,800. Garage, brick, 42x26 feet, slag roof, Foulrod and Leiper streets.

Caroline Weber (O), 4622 North Broad st. Thomas Merritt (C), 4061 North Sixth street. Cost, \$500. Shop, brick, 1 story, 16x32 feet, 3432 Marvine street.

E. Kolbolt (O), 5106 North Eighteenth st. Conneen Const. Co. (C), 1829 Filbert street. Cost, \$6,700. Garage, brick, 1 story, 52x90 feet, slag roof, Forty-second and Windram streets.

Harry Feldenkreis (O), 531 North Fifth street. J. Copeland (C), 1645 North Eighth street. Cost, \$Cost, \$2,500. Rear brick addition, 2 stories, 20x40 feet, slag roof, 531 North Fifth street.

Dr. Woodward (O), North American Building. Pringle Borthurick (C), 8018 Germantown avenue. Cost, \$5,800. Dwelling, brick, 2-story rear addition, 32x19 feet, slag roof, 102 Willow Grove avenue.

Fidelity Trust Co. (O), 325 Chestnut street. E. Keefer & Son (C), 1321 Rodman street. Cost, \$1,000. Store, brick, general alterations and repairs, 106 Market street.

B. Arrow (O and C), 860 North Sixth st. Cost, \$1,000. Dwellings, brick, general alterations, no additions, 616 Parrish street.

Board of Education (O and C), Nineteenth above Chestnut street. Cost, \$2,500. Toilet, brick, 1 story, 9x39 feet, Nineteenth and Cherry streets.

Arthur Peterson (O), 5924 Woodbine avenue. M. W. Young (C), Overbrook, Pa. Cost, \$1,500. Dwellings, brick and stone, 3-story rear addition, 18x25 feet, slate roof, 5950 Drexel road.

Alfred Mellor (O), Green and Walnut lane, Germantown. Wm. C. Wright (C), 22 Harvey street, Cost, \$6,500. Dwellings, stone, 2-story addition, 20x38 feet, side 16x23 feet, Walnut lane and Green street.

Louis Walther Mfg. Co. (O), A and Indiana avenue. M. Ward Easby (C), 1420 Chestnut street. Cost, \$500. Foundations for 25,000 gallon tank, Torresdale avenue and N street.

Riter Estate (O), Stephen Girard Building. W. T. Miller (C), 627 Filbert street. Cost, \$800. Theatre, new floors, 617-19 Arch street.

Mrs. P. A. R. Montgomery (O), 1418 Walnut street. H. E. Ryan Co. (C), 1707 Sansom street. Cost, \$3,700. Dwellings, brick, 3 stories rear addition, 17x10 feet, slag roof, and 1 story basement and wing, 10x10 feet, 2139 Cypress street.

Kate Kohler (O), 5556 Haverford avenue. H. Umansky, 2110 South Sixth street. Cost, \$800. Brick 1-story front addition, 16x13 feet, and alterations, 5555 Westmoreland st.

Chas. E. Johnson Co. (O and C), 509-17 S. Tenth street. Cost, \$15,000. Brick factory, 3-story addition, 62x43 feet, Tenth and Rodman streets.

Anthony ougherty (O), 410 South Tenth street. Chas. H. S. Zebbey (C), Pine and Quince streets. Cost, \$1,250. Saloon, 3-story rear addition, brick, 8x22 feet, slag roof, 410 South Tenth street.

Girard Trust Co. (O), Broad and Chestnut streets. J. Morris Daniels (C), 252 South Juniper street. Cost, \$1,500. Building, brick, repair fire damage, Forty-fifth and Sansom streets.

P. A. McHugh Chair Co. (O), Cleveland, O. Cost, \$1,000. Grand stand, 48x108 feet, Broad and Arch streets.

J. Brande (O), 1327 South Second street. Jacob Bender (C), 1817 South Fourth street. Cost, \$5,500. Bwelling, brick, 2-story rear addition, 14x40 feet, slag roof, and general alterations, 1327 South Second street.

General Mfg. Co. (O), Philadelphia. H. P. Friend (C), Norristown, Pa. Cost, \$1,800.

IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

THE Allen

This is the Prosperity Car!

It is rich in every expression of comfort, ease of operation, economy on road or street, great power, and smart appearance. It is a car that gives the impression of \$1500 rather than \$795—and in performance it lives up to its appearance. Send for the **Allen Pocket Autolog** and learn how to choose the best car for your business.

Eastern Motors Corp'n
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PHILADELPHIA

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\$795
EQUIPPED

Frame fhed, addition, 35x142 feet, slag roof, 4 ply, Swanson street and Snyder avenue.

E. Thompson (O), 2020 North Seventeenth street. Albert C. Rostien (C), 2910 Cambridge street. Cost, \$665. Hot water heating system, 2118 North Nineteenth street.

Albert Mills (O), South Penn Square. Stewart & Hesen Iron Works (C), 1716 North Ninth street. Cost, \$800. Fire escapes, fireproofing windows and etc., 110 North Nineteenth street.

Provident Life Inc. Co. (O), Fourth and Chestnut streets. Chris Hoffman (C), 210 Dickinson street. Cost, \$500. Rooming house, brick, outside fire escapes, northeast corner Tenth and Spruce streets.

U. G. I. Co. (O and C), Broad and Arch streets. Cost, \$1,000. Steel stairway to tanks, 5.9 feet wide x 13 feet long, 61 feet high, Casper and Tioga streets.

Ira Smith (O), 114 E. Allegheny avenue. Harry Schmid (C), 1823 W. Allegheny avenue. Cost, \$1,500. Dwelling, frame, 28x40 feet, Claridge and Cottman streets.

Belgrade Leather Co. (O), 4450 Belgrade street. R. H. Barson (C), 5903 Tulip street. Cost, \$800. Storage, frame, 1-story addition, 32x54 feet, slag roof, 4450 Belgrade street.

H. H. Smith (O), 126 W. One-hundred-and-twenty-seventh street, New York City. Spayd Furniture Co. (C), 821 Walnut street. Cost, \$1,500. Dwellings, brick, general alterations and additions, 1915 Wallace street.

J. Delgusto (O), 922 Passyunk avenue. Wm. Ford (C), 1412 North Twentieth street. Cost, \$500. Dwellings, brick, 3-story addition, 12x12 feet, slag roof, 922 Passyunk avenue.

Henry C. Shuntlef (O), 31 South Fortieth

street. Warren E. Briscoe (C), 3954 Ludlow street. Cost, \$850. Store, brick, 1-story addition, 14x15 feet, slag roof, 33 South Fortieth street.

Joseph Gee (O and C), 50 Manheim street. Garage, iron frame, 13x9 feet, rear 30 Manheim street.

Frank O. Keele (O and C), 1930-38 E. Stella avenue. Factory, brick, fire repairs, 1930-38 E. Stella avenue.

Wm. T. Harris (O and C), 7926 Laycoer avenue. Cost, \$2,500. Residence, brick, 2-story addition, 19x29 feet, 123 South Forty-first street.

Annie Perlman (O), 510 South Seventeenth street. L. Koplan (C), 509 Delancey street. Cost, \$1,100. Store, brick, 2-story rear addition, 10x16 feet, slag roof, 510 South Seventeenth street.

Laurel Hill Cem. Co. (O and C), Nicetown lane and Ridge avenue. Cost, \$2,500. Building, brick, 1 story, 10x31 feet, Nicetown lane and Ridge avenue.

Mrs. M. Gillon (O), 1510 Bainbridge street. F. P. Dillon (C), 1223 South Twentieth street. Cost, \$817. Saloon, brick, general alterations and additions, 1510 Bainbridge street.

M. Gurevitz (O), Thirty-fourth and Oxford streets. Jake Newborn (C), 1731 North Eighth street. Cost, \$500. General alterations and additions, brick, 2833 North Twenty-first street.

Dr. D. C. Guthrie (O), 726 North Fortieth street. Manderberry Bros. (C), 5802 Pemberton street. Cost, \$1,100. Store and dwelling, brick, general alterations and additions, 5 and 7 South Sixtieth street.

Thos. E. Grover (O and C), 6017 Hazel

avenue. Cost, \$1,300. Garage, brick, 65x44 feet, as plans, 1 story, 6015-17 Hazel avenue.

St. James Church (O), 2210 Sansom street. H. Burrell (C), 206 South Quince street. Cost, \$2,000. Parish house, brick, fireproof partitions and etc., 2210 Sansom street.

Apt. Bros. (O), 725 Arch street. Philip Haibach Const. Co. (C), 1261 North Twenty-sixth street. Cost, \$5,000. Store, brick, general alterations and repairs, 725-29 Arch street.

H. Heinaman (O), 644 W. Venango street. Jos. M. Reinhardt (C), 3705 North Fifth st. Cost, \$2,500. Dwellings, brick, cutting out doorway, 2.8x6.8 feet, 644 W. Venango street.

John Crawford (O and C), 5136 Chancellor street. Cost, \$800. Brick dwelling, 2 stories, rear addition, 12x10 feet, and general alterations, 5215 Cedar avenue.

Thos. F. Brown (O), 1701 Green street. A. McClintock (C), 1937 Ridge avenue. Cost, \$1,127. Hot water heating system, 1701 Green street.

C. W. McCling (O), 6210 Lansdowne avenue. T. Esbiornson (C), 1700 North Sixtieth street. Cost, \$500. Dwelling, brick, 1-story side addition, 4x20 feet, and general alterations and repairs, 6206 Lansdowne avenue.

Wilber P. Jervis (O), 668 North Fifty-fourth street. Thomas H. Pratt (C), 6621 Lansdowne avenue. Cost, \$500. Store, brick, general repairs and alterations, Fifty-third and Girard avenue.

Joseph Harvey (Columbia Mills) (O), Fifth and Columbia avenue. T. S. Bryan (C), 812 Florence street, Camden, N. J. Cost, \$3,000. Garage, brick, general interior alterations and

(Continued on page 450.)

If you want Trap Rock or Slag, any size or grit, we are headquarters for same. **DAVID FRANCE CO.,**
Tasker Street, Wharf, Delaware River, Philadelphia.

Bell Phone, Spruce 6612. Keystone Phone, Race 2799

The Philadelphia Real Estate Record and BUILDERS' GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825-826)
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Irving Dillon.....Editor

PHILADELPHIA, PA., JULY 5, 1916.

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(Organized 1857)

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Editorial Comment

In spite of the scarcity in labor due to the fancy wage scale of the munition makers, the advance in the cost of material, estimated at, approximately, 20 per cent., the eight-hour agitation and the naturally depressing effect of a Presidential campaign year, building activity continues to establish new records.

Here in Philadelphia the official returns for June are altogether remarkable. Statistics compiled at the Bureau of Building Inspection show that the estimated cost of new construction work for the month ending June 30th was \$5,147,115. The report shows that 873 permits were issued during the month for 1,709 operations.

For the same month in 1915 the official figures show 923 permits for a total of 1,700 operations. The cost of new building work in June, 1915, was \$3,873,850. For the month just closed it was \$5,147,115.

During the past six months 4,452 permits were issued for 8,576 operations at a cost of \$25,053,620, as compared to 4,823 permits for 9,598 operations at a cost of \$19,066,390 for the corresponding period of last year. The figures show a decrease of 371 permits and 1,022 operations, although the cost of the operations in the first half of this year exceeds that of the first six months of 1915 by \$5,987,230.

The following tabulated statement shows the character and cost of the various operations for which permits were issued last month:

	Operations.	Estimated Cost.
Dwellings, 2 story.....	882	\$1,935,700
Dwellings, 3 story.....	59	371,700
Dwellings, frame	3	5,200
Stables	2	1,950
Manufactories	12	896,000
Workshops	4	16,000
Garages	88	104,150
Office buildings	5	178,250
Stores	4	137,000
Warehouses	5	343,465
Engine and boiler house....	2	7,500
School	1	180,000
Hall	1	21,800
Parish buildings	2	51,000
Miscellaneous buildings ...	43	28,225
Additions	151	521,680
Alterations and repairs....	269	205,045
Miscellaneous work	137	34,350
Heaters	18	12,625
Fire escapes	4	2,050
Signs	15	7,425
Rooming house	1	21,000
Convent	1	65,000
Totals	1709	\$5,147,115

In the words of the departing ad men:
"Some town, that Philadelphia!"

* * *

A troublesome factor in the building trades

is the persistent upward tendency of wages. The New York Building Trades Council reports the following agreements as between employers and journeymen:

Cement masons, \$5.30 a day after October 1, and \$5.60 after January 1. The painters' strike has been settled by an agreement on a uniform wage of \$5 a day in all the boroughs for painters, decorators, paperhangers and varnishers alike, without distinction. The wages of riggers and machinery movers have been advanced from \$4 to \$5 a day. Concrete workers (laborers) are to receive \$3 a day hereafter. Asbestos workers and electrical workers are negotiating with their employers for increases.

The trouble in the carpenter trades has developed internal strife in the councils of the unions. The latest phase is the issuance of a temporary injunction by Justice Mullan against President Hutchinson, of the national organization, restraining him from enforcing his order of suspension of the District Council and all local unions and against any attempt on his part to form new unions. Only about 3,000 out of 17,000 men are now idle.

* * *

How speculative builders feel about the disposition to jump costs in certain lines of material is shown by the reluctance with which investors approach large work in this particular field. A builder who contemplated the erection of a twelve-story apartment house in New York City, but who has decided to wait until prices get back to normal before going ahead with the project is quoted as saying:

"It is a cold fact that it costs twenty-five per cent. more to build now than it did a year ago. Do you know that last year I paid but \$35.37½ per ton for structural steel at tidewater and that this year the price asked is \$70 to \$75? Twenty per cent. of the cost of a modern building goes into the steel frame. Take a building requiring 4,000 tons at \$80 per ton, and you have a charge of \$320,000 for the structural steel alone. Then there is the iron and steel going into the piping for heating, plumbing and lighting, and into stairs, elevator enclosures, reinforced concrete floors, and metal-covered trim, not to mention innumerable other things made of metal.

"I want to send one thought home, that it is my opinion there is no justification for the current prices of most of these materials, especially steel, because it is the result of pooling among the producers.

"It would have been a wonderful year for building but for that. Renting was never better. We shall wait until prices return to a moderate basis. In the case of a million-dollar building going ahead now would mean an extra cost of \$250,000. This would be lost when prices returned to a normal level. Be-

sides, nobody will buy property improved at such an extra cost."

* * *

A local builder tells an amusing yarn touching the scarcity of labor in connection with a school job he is building up State close to a big munition making concern. "As fast as I get men up there I lose them," said this builder. "They work on my job a couple of days, are approached by representatives of the steel people and offered more money, and away they go. A circus pulled into the town ten days ago with 70 men. When it got ready to pull out it couldn't scare up enough men to pack the tents."

* * *

What wonderful strides modern building has made within recent years was somewhat strikingly exemplified by a recent transaction in New York City. Twenty years ago if one were to suggest the mere possibility of such a thing as ordering the greatest hotel in the world complete, fitted, equipped and ready for business, much as one would order a suit of clothes, one would have been regarded as an Alladin-like dreamer indulging in mad and impossible visions.

And yet this is just about what happened in New York City recently, when Charles H. Ingersoll, the dollar watch man, signed a contract with Hoggson Brothers for the delivery of a \$15,000,000 hotel.

The hotel is planned to be erected in the Times Square district of New York; the \$15,000,000 is to cover the cost of the site, the building and its equipment. The building is designed to occupy an entire block front and is to be 28 stories high. It is planned to contain 2,500 rooms or more—nearly twice as many as the largest hotel now existing.

Starrett & Van Vleck and Beverly S. King & Shiras Campbell, two New York firms with many notable buildings to their credit, are the architects.

The Commonwealth Hotel Construction Corporation is a co-operative concern, which plans to have about 150,000 shareholders, each of whom—except the directors—will own a single share. The directors, in accordance with the laws under which the company is incorporated, will own three shares each.

It was desired to know in advance that the hotel building would not cost more than the sum which the corporation or association desires to spend. Hence the single contract, which covers the services of architects, engineers, builders and decorators, in addition to building materials and the furnishings, which are to be installed upon the completion of the hotel. The contract, in brief, binds Hoggson Brothers for a stated sum to take a building site and within a stipulated sum to deliver a fully-equipped hotel, ready at the touch of a button to receive guests and give full service.

* * *

Auctioneers of realty are seldom flowery. They can't afford to be. Men who buy real

estate as a rule are too hard-headed to stand for statements that overshoot the facts. On the Pacific Coast this predisposition for the plain, unfrilled facts does not, it seems, obtain. The "Real Estate Record" tells of an auctioneer at Santa Monica, Los Angeles County, named Tom Fitch, who sells building sites. And here is how Tom does it:

"We will sell at public outcry, to the highest bidder, the Pacific Ocean, draped with a western sky or scarlet and gold. We will sell a bay filled with white winged ships. We will sell a Southern horizon rimmed with a choice collection of purple mountains, carved in castles and turrets and domes. We will sell a frostless, bracing, warm yet un languid air, braided in and with sunshine odored with the breath of flowers. The purchaser of this job lot of climate and scenery will be presented with a deed to a piece of land fifty by one hundred feet, known as lot A, block 251. The title to the land will be guaranteed by the present owner. The title to the ocean, the hills and clouds, the breath of life-giving ozone, and the song of the birds is guaranteed by a beneficent God who bestowed them in all their beauty and affluence upon block 251, and attached them thereto by Almighty warrant as an incorruptible hereditament to run with the land forever."

This flowing outburst centers about a lot, fifty by one hundred feet, that brings in the neighborhood of six hundred dollars.

Looks as if the auctioneer is wasting a cascade of language that would bring better returns in the field of political spell-binding. But then, in some parts of the South and West one can buy a whole lot of oratory for six hundred dollars with a building site thrown in.

* * *

C. H. Clark, who handles the advertising for the Robbins & Myers Company, of Springfield, Ohio, made a remark, in the course of an address delivered during the recent ad men's convention, that ought to be writ large and pasted up where the average man could see it and ponder over it and let its underlying wisdom sink in.

"To make advertising effective," said Mr. Clark, "the advertiser should know definitely what particular class he is reaching in a given publication and what particular style of appeal is most effective with that class."

There's more real meat in that observation than lies on the surface. We know building material men who spend thousands of dollars every year on advertising in magazines of general circulation, reaching people who have at best but casual and surface interest in the products covered.

The "Guide" reaches architects, structural engineers, builders, sub-contractors, building owners and investors interested in building. The style of appeal that goes with the "Guide's" clientele is the plain, straightforward, direct, sales-talk—the kind of argu-

ment a salesman has to put up to get an order.

Magazine advertising may bring inquiries if something is given for nothing such as an attractive booklet or a sample, but it won't bag an order in a million.

Why? Because the appeal is not there.

To sell building material your appeal must be to the man with an interest in building—to such men, in fact, as the "Guide" reaches every week,—men whose life-work is building and who are always on the lookout for material, devices, equipment, new ideas bearing on that line.

It is undeniably true that a certain percentage of these men also read the magazines, but why pay the swollen rates for magazine space to hit, here and there, and by chance, as it were, an element that may be reached directly and without waste of ammunition, in mediums confined to that particular class?

* * *

Advertising is a study. It's a study that pays big dividends to the man who makes intelligent use of it.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

The "Builders' Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.

Graham-Campion Co.

DEPENDABLE

BUILDING CONSTRUCTION

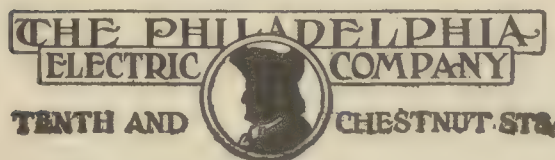
1215 Filbert Street

Philadelphia

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.
DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

Riches can secure no better illuminant than Electric Light for the mansion, yet our rates are so low that every home—even the most modest—can afford it. Electric Light is the brightest, cleanest, most convenient and hygienic light, as well as the most economical.

If your house is not wired for Electricity, ask us for the details of our deferred payment housewiring plan.



ALTERATIONS AND ADDITIONS

(Continued from page 447.)

brick elevator shaft, 2 stories, 720 Marshall street.

Lena Sunday (O), 3024 Diamond street. Simon Bannett (C), Drexel Building. Cost, \$3,000. Dwelling, brick, 1-story rear addition, slag roof, first story, 16x24 feet, second story, 16x16 feet, and general alterations, 3024 Diamond street.

Fuefabeies Mfg. Co. (O), Orthodox and Belgrade streets. Boyle Irwin (C), Box 950, Narberth, Pa. Cost, \$600. 15,000-gallon tank on roof, Orthodox and Belgrade streets.

Michael Merrone (O), 755 South Eighth street. Frank Tussi (C), 1361 Christian st. Cost, \$500. Store, brick, 2- and 3-story rear addition, 12x12 feet, slag roof, 755 South Eighth street.

Burt Bros. (O and C), Ninth and McKean streets. Cost, \$500. Brick boiler house, second story addition, 22x40 feet, Ninth and McKean streets.

Wm. H. Bratton (O), Leiper and Foulkrod streets. G. W. Crosley (C), 2264 Bridge st. Cost, \$1,800. Garage, brick, 42x26 feet, slag roof, northeast corner Foulkrod and Leiper streets.

Tasker St. Baptist Church (O), Tasker st., above Twentieth street. Wm. J. Robinson (C), 1508 Lombard street. Cost, \$1,725. Brick, 1½-story addition, 9x32 feet, tin roof, Twentieth and Tasker streets.

J. M. Morvine (O), Sixteenth and Morris streets. Jos. Padolese (C), 1448 South Sixteenth street. Cost, \$1,325. Store, brick, and general alterations and repairs, Sixteenth and Morris streets.

Jos. Fielding (O), 4816 North Tenth street. Henry Hobert (C), 2620 E. Cumberland sts. Cost, \$4,000. Garage, brick, 49x39 feet, slag roof, Mervine and Souden streets.

N. Gehmiger (O), 1223 North Twenty-ninth street. H. T. Campbell (C), Twenty-ninth and Stiles streets. Cost, \$700. Hot water heating system, 1223 North Twenty-ninth street.

S. Foreman (O), 2747 Germanown avenue. H. T. Campbell (C), Twenty-ninth and Stiles. Cost, \$500. Hot water heating, 2747 Germanown avenue.

Thornton Fuller Auto Co. (O and C), 2041 Market street. Cost, \$6,000. Garage, brick,

new slag roofs and general repairs and etc., Twenty-fourth and Bainbridge streets.

Chas. E. Fricke (O), 2325 W. Tioga street. Harry H. Wehmeyer (C), 1004 W. Lehigh avenue. Cost, \$750. Residence, stone, general alterations and additions, 329 Pelham road.

FIFTY YEARS AGO.

"Was I a carpenter fifty years ago?" said old Joel Beckwith, in answer to the question. "Of course I was. I was twenty years old then, and had been working at the trade with my father since I left school at the age of twelve."

"So you want to hear something of the old-time carpenter, do you? I have been thinking a lot about those days lately, perhaps because I have quit the business, and have more time to think, but I have wondered what some of these \$5.00 a day carpenters would do if they had to do the work we had to do with the tools we were obliged to use. You know I was brought up in the country, and we were most likely behind the city fellows with tools, but I don't guess we were much."

"You built some substantial houses in those days, didn't you, Uncle Joel?"

"Oh, yes, quite a bit more substantial, especially out in the country. I remember the first house fram I worked on. It was for a new farm house and the farmer cut the timber from his wood-lot, and we hewed out the posts and sills with broadaxe and an adz."

"In those days, especially in the country, the carpenter that could not use an adz was not considered much of a workman. Now I expect one would have to look a long time to find a carpenter that would know what an adz was for, unless in a shipyard. I have seen an expert adzman that would go over one side of a 12x12 with an adz and make it look as though it had been gone over with a jack plane. Then, there was the raisings. Never went to a 'raising,' did you?"

"No, but I have heard about them, and as near as I can come to it, they must have been quite exciting times."

"They sure were. The idea of substantial houses came down from the log house. This was not so much before my time that log houses were found, even in the section of the country where I lived, but strength in building was considered necessary, especially in the country where the wind had full sweep, and where one hundred years ago they used to put in 12x12 posts and floor joists. Fifty years ago in many places they had not reduced the size more than half. I remember that 8x8's were considered pretty fair size for posts and sills, and then some of the old fellows would shake their heads and say that we were skimping things too much."

"I have often wondered what some of

those old chaps would say if they could come to life now and see some of the balloon frames that are being put up. Just think of it—a two-story and a half house with nothing in it bigger than a 2x4, except the floor joists!"

"But you were going to tell me about the raising."

"Oh, yes. A 'raising' in the country was something to look forward to, and something to remember as well. We used to frame the sides of the building on the ground; then the farmer would send word and all the neighbors would come and help put the frame in place."

"Showed a pretty fraternal feeling, the neighbors all coming in to help at the raising."

"Well, I should say it did. Neighbors don't help each other nowadays like that."

"How about the jug of rum and the boiled dinner? Didn't that help some with that fraternal feeling, Uncle Joel?"

"Well, perhaps, but taking into consideration the way houses are built now, we did a good deal of hard work for nothing; but then those old houses did stand, and some of them are standing now, and hold their own much better than the ones built at a later date."

"I am afraid you are prejudiced, Uncle Joel. Houses are put together to-day on a scientific plan, especially when they are planned by a first class architect."

"That may be," said Uncle Joel. "But I notice that some of those wind storms have never been told about scientific building."

"You speak of the tools you had to work with, Uncle Joel. What were they? Tell us about them."

"I have told you about the broad-axe and the adz, both of which have gone out of the carpenter's tool chest. But speaking of tool chests, reminds me that in those days there never was such a thing offered for sale in a hardware store as a tool chest. I think the old-time carpenter would be ashamed of himself if he did not put his tools in a chest that he had built himself, but then there weren't so many tools. In fact, some of the people that called themselves carpenters would only have a saw and a hatchet, and had no use for a tool chest. But the real carpenter had, besides his saw and hatchet, adz and broad-axe, his saws of various kinds for various work, brace and bits, planes, squares, etc."

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

"Then the carpenter used to make his own mitre-box, and it would not do for any apprentice to be found trying to use a mitre-box belonging to one of the journeymen. To-day, you can go into a hardware store and buy a steel mitre-box that can be set to cut any kind of mitre, but if we had anything to cut other than an angle of 45 degrees we had to make a mitre-box on purpose to cut it.

"Then there is the screwdriver we used to have; just a plain screwdriver. I can remember the first time I ever saw a screwdriver used in a bit stock; I thought it the greatest invention of the age. In fact, the development of the tools that the carpenter uses has been one of the most wonderful things of the age—the bit stock that will bore a hole in the corner of a room, and the ratchet stock. And, there is the matter of planes. I can remember the first steel plane I ever saw. We used to call them iron planes. Previous to that there was nothing used but the wooden plane, and after the cap was set and the blade put in the plane it was adjusted by a hammer, and it was a pretty nice job to get the plane ground square, the cap set just where it should be and the cutting edge to show just enough to do the work.

"I tell my boys they don't know what work is now. We used to lay a floor of rough boards and then get down with our planes and make the whole floor smooth. I don't believe a carpenter in those days that lived to be about thirty-five years old could ever show a straight spine. If he did, we would doubt his ability to hold his own with the carpenter crew.

"One of the tools that has partially gone out of use is the draw-shave. No carpenter's set was complete without it, and possibly it is not to-day, but there isn't that use for it that there used to be, because there are so many other tools to take its place.

"Another thing, lumber is so prepared now that the hard work the carpenter used to do is done by machinery. No better illustration of this is found than in the floor. To-day when a hardwood floor is laid it is perfect—there is nothing to do, unless it is to oil it or varnish it.

"It is the same with window frames. To-day the carpenter is not called upon to make a window frame—they are already made. All he has to do is to set them and fit his windows. In fact, specialists have entered into the carpenter business, the same as in any other business. The carpenter trade is decidedly different in every way than it was fifty years ago."

"You spoke of the \$5.00 a day carpenter of to-day, Uncle Joel. Don't you think he earns his money?"

"There are two ways to look at that, and we must be fair to the carpenter of to-day," said Uncle Joel. "Fifty years ago the carpenter worked ten or twelve hours a day and he worked hard. The carpenter of to-day works possibly nine hours a day, having nothing real laborious to do, in comparison with

the old-time carpenter, but he accomplishes more. So it is hardly fair to draw comparisons."—"National Builder."

THE HUMOROUS SIDE OF THE BUILDING GAME.

"You are not very happy in this house," friends remarked to the renter.

"No, I can't say we are."

"Your ceilings are falling."

"They are, and that isn't all. Our roof leaks, our cellar fills with water every time it rains, our radiators thump, our furnace is too small for the house, its appetite is too large for our income, our gutters have rusted away, the porch sags, the house hasn't had a coat of new paint for seven years, the wall paper hangs loose in every room, and the chimney is shorter after every windstorm."

"Why in the world don't you move?"

"Because we can't find another house with a hall that our long Oriental runner will fit."

* * *

"How are the plans for your new house coming along?"

"Splendidly. My wife has finally laid out all the cupboards she wants, and now all the architect's got to do is to build the house around them."

* * *

"I tell you," said the real estate agent, "there isn't a finer residence development on earth than this. Just look at the wonderful scenery."

"The scenery is all right," replied the man who was looking for a home. "The only trouble is there's too much of it between here and the city."

* * *

Pat, who had carried the hod in a small town, stood before one of Chicago's tallest office buildings, removed his hat and slowly counted the stories.

"What are you going to do—buy the building?" asked a passer-by.

"No," said Pat, "but I would like to have carried the hod on that building."

"Why?" queried the stranger.

"Well," quoth Pat, "I have it all figured out. On the first floor I would carry 25 hods a day, on the second 24, on the third 22, the fourth 20, the fifth 18, the sixth 16, and so on until I got to the twelfth floor, when I would carry but one, and before I could get to the thirteenth floor, the whistle would blow and then I would put in a whole day without doing anything."

* * *

Labor unions are strong in the West and especially strong in a city where, on Halloween, the boys pulled a lot of pickets off the fence belonging to a house in which a union barber lived and made a bonfire of them. The barber bought some new pickets and nailed them on his fence himself. Whereupon he was promptly fined fifty dollars by

the council for doing carpenter work which should have been done by a union carpenter. The barber thought this over for some time. Then he presented the Carpenters' Union with a bill for \$1,375.

"What's this for?" asked the chief of the Carpenters' Union.

"Why," the barber replied, "that's what's due the barbers because the carpenters shave themselves."

His fine was remitted.

* * *

The Plasterer—I thought you were working on old Leary's new house?

Painter—So I was, but we had a row, and he said he'd put the rest of the paint on himself.

Plasterer—And did he?

Painter—Yes, at least, that's where he put most of it.

* * *

William, who was erecting an edifice out of building blocks, showed such unusually bungling workmanship that his father, who was a carpenter, took him to task.

"What kind of a shack do you call that?" he asked the boy.

"Oh, that's all right, papa," replied William, "I'm building it to rent."

* * *

"Are you the man from Sodder & Co.'s to do the repairing of the water pipes?" asked Mr. Subbubs.

"Yes," replied the plumber, "and Mr. Sodder says it will cost you \$60."

"What! Why, he hasn't seen the job. He doesn't know how much I want done."

"Mebbe not, but he told me how much to do."

* * *

Mr. Wilkerson, the architect, had been invited down to the Clarks to display the plans of Clark's new house to some guests.

"Here is the front elevation," explained the architect, as he laid the plans on the library table for the inspection of the visitors, "with the outside window and the circular gallery; this is the east elevation, showing the tower."

After various comments had been made by the guests, little Arthur, aged 7, who was enormously interested in the new house, cried:

"And where are the two mortgages father said he was going to put on?"

BILLBOARDS.

A pamphlet entitled "The Billboard Nuisance in New York City" has been issued by the National Highway Association, Division of Municipal Art. It presents a number of interesting photographs taken about New York City showing the vulgarity of the billboard and its injury to architectural and landscape effects. The pamphlet is the beginning of a campaign to get legislation to restrict the location of signs. It is a most commendable effort and will unquestionably have the support of architects.

A RIDDLE WITH A MORAL—CAN YOU GUESS THE ANSWER?

I am more powerful than the combined armies of the world.

I have destroyed more men than all the wars of the nations.

I am more deadly than bullets, and I have wrecked more homes than the mightiest siege guns.

I steal, in the United States alone, over \$300,000,000 each year.

I spare no one, and I find my victims among the rich and poor alike, the young and old, the strong and weak. Widows and orphans know me.

I loom up to such proportions that I cast my shadow over every field of labor, from the turning of the grindstone to the moving of every railroad train.

I massacre thousands upon thousands of wage-earners a year.

I lurk in unseen places and do most of my work silently. You are warned against me, but you heed not.

I am relentless.

I am everywhere—in the house, on the street, in the factory, at railroad crossings, and on the sea.

I bring sickness, degradation and death, and yet few seek to avoid me.

I destroy, crush and maim; I give nothing, but take all.

I am your worst enemy.

What is the answer to this riddle which the "Toledo Blade" propounded to its readers? The answer is not "drink" or "hatred" or "selfishness." The answer is "I am Carelessness."

WATERPROOFING CONCRETE.

It has been found impossible to make concrete entirely waterproof, especially when it is subjected to a heavy water pressure. A mixture of one part cement, two of sand and four of gravel, if made of medium consistency and thoroughly tamped into the forms, will be fairly waterproof and its imperviousness can usually be materially increased by additional tamping. The usual process in making concrete impervious to water has been to add compounds of alum and lye or soap, which have been of service, but recently a superior method has been found. This consists of washing the surface of the concrete on the exposed side with one part concentrated lye and two parts alum dissolved in sixteen parts water. Two or three coats of this compound should usually be applied, allowing time for each application to dry before putting on another.

By the addition of from 5 to 10 per cent. of hydrated lime to the cement before mixing, the waterproof qualities of the mass are considerably increased, but the concrete itself is somewhat weaker. The use of a larger proportion of cement without lime will also

make the concrete more waterproof, but the additional cost entailed by this method will frequently act as a deterrent. In cases where the concrete is to be subjected to considerable water pressure, the surface of the exposed side should be coated with asphalt, pitch or alternate layers of pitch and tarred felt. Melted paraffin, applied while hot with a brush, is also an effective method, but it is an expensive one where the surface to be covered is of a large area.

RECENT TRADE LITERATURE.

The Bulletin of the Municipal Art Society of New York, No. 7, comes from the press with its pages embellished with illustrations of the society's prize designs for a Naval Reviewing Stand, their gala appearance lending a festive character to the issue. These are the result of the annual competition instituted by the Municipal Art Society in the Society of Beaux Arts Architects, and with their elaborate architecture and brilliant banners and awnings suggest what an artistic feature of a Hudson River naval parade any one of them would form. The first prize was awarded to Robert Palleson, of New York City, and medals to R. K. Harris, R. M. Kennedy, H. S. Kirschberger, S. Y. Ohta, R. O. Derriek, R. D. Murray, E. E. Weihe and A. Brown, Jr.

Few cities have New York's problem of adding to the comfort and display of a naval review, but every city is vitally concerned in the majority of the needs which brought the Municipal Art Society into existence, and the story of its founding and purposes which occupies a large part of the Bulletin should be of wide interest.

The Bulletin is more than usually full of pertinent discussion of the new zone plan, play streets for children, the billboard nuisance, the Anti-Litter League and news of the activities and achievements of the neighborhood associations. If these things interest you, write to the society for a copy.

* * *

"Evans' Almetal Fire Doors and Shutters" is the title of an attractive folder issued by the Merchant & Evans Company, of Philadelphia in the interest of one of the most widely known of this progressive concern's many fire prevention specialties. The many advantages of the Evans doors and shutters over similar devices are set forth in detail in this folder, which is of interest to architects, engineers and others alive to the importance of fire prevention. This door is a marked improvement on the standard tin clad door in general use, demonstrated its great superiority at tests at the Underwriters' Laboratories, and has the endorsement of the National Board of Fire Underwriters. A chart of sizes and prices is a feature of the folder which presents in addition certain data regarding the

Evans Automatic Sprinkler Apparatus and the New Standard "Star" Ventilator. A line to the Merchant & Evans Company, Philadelphia, Pa., will bring a copy of this and other instructive folders to parties interested.

A NOTABLE COMMUNICATION ON NATIONAL DEFENCE.

A communication dealing exhaustively with the national defense problem from Powell Evans, president, to the employees in all offices and works of the Merchant & Evans Co., Globe Automatic Sprinkler Co. and the Schuylkill Railway Co., 2035 Washington avenue, Philadelphia, Pa., has been reprinted for general distribution. This reprint contains a note to the effect that a wide distribution is desired, that reprinting will be allowed on request and that copies in quantities will be supplied at cost.

Mr. Evans in this communication ably discusses the subject from all angles, and points out now and why every American citizen can help in this movement. In one of the parts of the communication Mr. Evans explains what measure of defense can now be taken and how the individual can share in the work and cost.

He extends an invitation to the employees of the several companies to go to one of the various summer training camps for four weeks. He states that full wages will be paid for three of these four weeks to all employees who go, and that expense of transportation to and from camp, with the cost of going through camp, will be provided where circumstances warrant.

ANTIQUITY OF GLUE VENEERING.

Among the many occupations of the carpenter, that of veneering is noticed in the sculptures of Thebes as early as the time of the third Thothmes, who is supposed to be the Pharaoh of the Exodus, and the application of a piece of rare wood of a red color to a yellow plank of sycamore or other ordinary kind is clearly pointed out, says a writer in a London magazine. In order to show that the wood is of inferior quality the workman is represented to have fixed his adze carelessly in a block of the same color while engaged in applying them together. Near him are two other men, one of whom is employed in grinding something with a stone on a slab, and the other is spreading glue with a brush. It might, perhaps, be conjectured that varnish was intended to be here represented, but the appearance of the pot on the fire, the piece of glue with its concave fracture, and the workmen before mentioned applying the two pieces of wood together, satisfactorily decides the question and attests the invention of glue more than 3,000 years ago.

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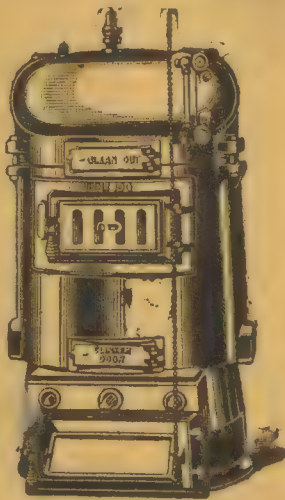
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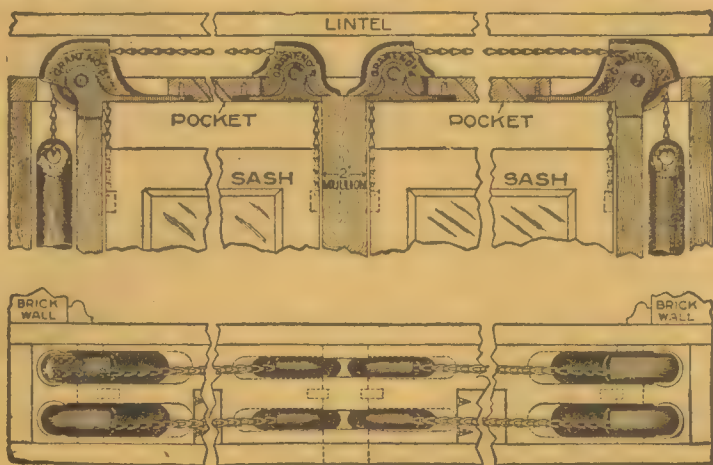
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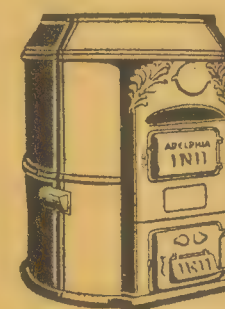
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These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

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Ask Your Dealer or Write Us

"WINDUSTITE" Metal Weather Strips

Save Fuel.

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Eliminates window rattle and is practically everlasting.

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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

Vol. XXXI., No. 28.

PHILADELPHIA, WEDNESDAY, JULY 12, 1916.

Less than One Year
15 Cents per Copy

Editorial Comment

The Ad Men and Advertising.

The Ad Men talked advertising here in Philadelphia for ten days, talked every phase of it. The men who did the talking are admitted past masters in their respective lines; high-priced experts from all over the world. They talked trade magazine advertising, among other things, and were a unit in awarding to this class of publicity a high place among the agencies which make for success in modern merchandising. Some of the points made in the course of these talks on trade paper advertising were worth tucking away for future reference. The important questions in connection with the trade paper, regarded from the angle of the advertiser, are these:

1. Does it reach a class that can be interested in the product I have to sell?
2. What style of an "ad" is best adapted to appeal to the class reached?
3. Is my product one to be urged along the line of general publicity or to be so pressed as to bring the individual order?
4. Am I after the jobber, the consumer or the retailer?
5. In the case of the building trades journal, is my appeal to the architect, the builder, or the sub-contractor in a given branch, or to all three?

Having answered these questions to one's satisfaction, the course then is to decide just what amount of space is necessary.

This space question is where most beginners at the advertising game go wrong. A small space belittles a big house. A big space is bad technique for the little house. There must be judgment here as in other phases of advertising. Having decided what quantity of space will be about right, the

thought occurs as to how that space is to be filled. Most advertisers, certainly most of those who are new to advertising, fall into the error of trying to say too much in each "ad."

Telling the Story in Chapters.

You can't cover your sales proposition in one "ad." You can't possibly tell the whole story in a few inches of space. The way to tell your story is in chapters—just as the novelist does it or the newspaper man or the dramatist. You don't catch the dramatist trying to crowd everything into one act.

As a rule he resorts to not less than three acts and not infrequently to anywhere from three to five scenes. And by breaking his story up into episodes, keeping in mind their chronological sequence and holding them together by a clearly defined narrative thread he leads your interest along from act to act, grips your attention, enmeshes you in the "feel" of his motif and carries you along to the big punch in his final climax.

Good advertising is like that. You break your story up into a series of points, treating one point at a time.

Don't try to say much. A few good, telling sentences, attractively displayed, not crowded, with plenty of white space about them to rest the eye and make them stand out—that's the idea.

What to say?

What does your salesman say when he is selling goods?

The average salesman's story, broken up into small sections, makes good advertising.

Points to Be Covered in an "Ad."

Broadly speaking, a few of the points advertising to be effective should cover, are these:

What is your product?

What is it good for?

What are its special advantages, if any, over other products, used for the same purpose?

Is it cheaper either in first cost or in lasting qualities?

Does it go further in application?

Is it easier to apply?

Is it adaptable for special uses to which competing products do not lend themselves?

Can you supply it from stock?

Do you carry it in variety to meet all demands?

Can you ship promptly? Etc., etc.

Modifications of these points will suggest themselves in the case of lines that do not fall within this grouping. The essential thing is that advertising to be effective must present in a common-sense, easily-grasped style all of the good points to be found in the product advertised.

There are houses, here and there in the building trade, and, we fear, in some other lines, in which advertising is not given the attention it should have. We could have wished it possible to get the heads of these concerns out to hear the Ad. Men during the recent convention.

Advertising is the greatest of the great forces in modern merchandising.

It is the dynamo that drives the wheels in the business of to-day.

It is the controlling factor in big business.

* * *

Growing Vogue of the Small House.

The tendency of city people of the more affluent sort to give up the annoyances of housekeeping for the comfort and convenience of apartments is duplicated in a way by the growing disposition of suburbanites to turn to "the small house." Thanks to the facilities for entertaining provided by the country clubs and the large modern hotels, there is no longer the necessity that used to exist for country houses

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CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

built to accommodate large social functions. The great country house with its army of servants, its elaborate gardens, its spacious grounds and out-buildings is slowly but quite perceptibly losing its vogue. Wealthy people are turning to the moderate sized country house, with its atmosphere of coziness and cheer, its exclusiveness and ease of maintenance. There is a tendency to confine the entertaining to smaller groups. The occasional large function is staged at the country club near by or at the roof garden of one of the big city hotels. Lavish hospitality is, we are told, going out.

The medium sized country house has a charm that the finest designing finds it difficult to inject into the more elaborate structure. And people are awakening to the fact that the smaller house is much easier to keep in order, entails less of worry, of fret and of annoyance.

An architect of prominence remarked the other day that the vogue of the big country place went out with "the family driving horse." "When every family had its driving and saddle horses, its stables and pastures, the large country house held its popularity," said he. "With the coming of the automobile and the garage and the elimination of the coachman, the footman, the groom and the stable lackeys, the big place ceased to be the necessary institution that it was in the heyday of the horse."

Be that as it may, the demand to-day is for the country house of medium size.

* * *

A Public Sale in 1748.

Here's the style in which the auction sale of a house in Stone street, New York City, was announced in the pages of "The New York Weekly Post Boy," a colonial newspaper of that day:

"To be Sold at publick Vendue, on Tuesday the 19th Day of this Inst. February.

"A Dwelling-House and Lot of Ground belonging to the estate of Adrian Man, deceased, situate in Stone Street, opposite to the House of John Harris; tis convenient either for Store or Shop, has two Rooms on a Floor, and two Shops; two Cellars, one front, the other back; and a Kitchen, back, with a Room over it; there is also a good Yard Pump, and a Stone Cistern. In the meantime if any Person inclines to purchase, he may apply to Samuel Fell, Tobacconist, or to Johannes Man, Sadler, at the North River in New-York, who will dispose of the same on reasonable Terms. The title is indisputable."

Note the quaintness of the phraseology, the reference to "a good Yard Pump and a Stone Cistern" and to the

fact that the title "is indisputable," and the careful mention of the circumstance that the house to be sold was "opposite to the house of John Harris."

* * *

Building Activity Shows Gains.

Ninety-seven cities reporting Bradstreet's Journal for June show a total estimated investment in building operations of \$61,304,209, a gain of 56 per cent. over June a year ago; sixty-two cities show increases and thirty-five report decreases.

Among the cities making gains in June were New York City (three boroughs reporting), with an increase of 140 per cent.; Philadelphia, 32.8 per cent.; Cleveland, 15.2 per cent.; Detroit, 85 per cent.; Portland, Ore., 113.7 per cent.; Chicago, 45 per cent., and Los Angeles, 4 per cent.

Building in the second quarter of 1916 showed a large total, \$266,163,370, as against \$193,689,520 in the first quarter, a gain of 32 per cent. for the second three months, as against an increase of 18 per cent. in the first quarter. Expenditures for the half year aggregate \$459,852,890, a gain of 26 per cent. over the like period last year.

* * *

Lowell on Italian Villas.

Guy Lowell has written a delightful volume on "Smaller Italian Villas and Farmhouses," a volume filled with photographs and sketches made by him in the course of years of wandering in European byways.

Mr. Lowell finds the American delight in Italian buildings due less to the associative interest of history and anecdote than to a certain similarity in tastes, in scenery, and climate characterizing the two nations. Certainly the logical simplicity and reserve of a Florentine villa with its plain white wall spaces accented by small spots of rich decoration, its compact grouping of rooms, its artistic feeling for contrasts of light and shade, its interesting fenestration, make it well worth study by young architects to whom the increasing popularity of the country house brings temptation toward elaboration and eccentricity of design.

The illustrations range from a simple farmhouse nestling against a mountain side on a buttressed terrace, to the elaborate Palladian structures of Lombardy which approach the monumental character of palaces. The author cautions us against letting our imagination revive the groups of brightly dressed courtiers and patricians, or invest the gardens with the legendary shapes of faun and dryad. From the architectural point of view the buildings and their environment must be seen prac-

tically, and our minds may work for their satisfaction upon nothing more remote from the true problem than the reconstruction of the minor ornaments and arrangements of color expressing the human enjoyment taken in the decorative charm of the place.

* * *

Unity of Impression in Design.

"It is on the Albanian Hills, near Rome," writes a reviewer, "that we find the art of the villa extended to the surrounding garden. These magnificent gardens, built under the patronage of Leo X., son of Lorenzo de Medici, mark the change from practical economy in building to purposes of enjoyment unrestrained. They were brought close to the door of the house, as William Morris has said all gardens should be, and were crowded with decoration. 'It is not easy,' the author says, 'to recreate the spirit of design that made these gardens artistic masterpieces, for the contrast of depth of shadow in the foliage and brilliant sunlight on stone work, path, and pool, which one obtains in a garden, requires just as much study and balancing of proportion, just as careful comparison of light and dark as does the shadowing projection of a cornice, or the relation between wall space and window opening in a building. This the artists of the sixteenth century felt, and with it they seemed to combine a real understanding of the character of the outlying scenery, so that they successfully solved the most difficult of all problems in garden designing—they tied their formal gardens in one complete pictorial composition to the landscape beyond. This close union between building, garden, and outside landscape seems to be more natural owing to the fact that the architect of the early Renaissance took complete charge of the building operation. Leonardo, Michael Angelo, Raphael, were not only artists in every sense, but they were also engineers. The laying-out of the garden and the farm group was expected of the architect as being simply one of the branches of his art; it was natural that incidental architecture in the gardens should have been appropriate and decorative in a marked degree.'

"In this lies the explanation of the whole glory of the 'great periods' of art. Unity of impression was gained as a matter of course. It is the centrifugal force of modern civilization that works against a coherent style in modern art."

* * *

"Scamping" in the Middle Ages.

The jerry builder is not altogether modern. There was scamping in the building line, we know, away back in
(Continued on page 460)



80 Tons of Crushed Stone In Two Days

C. Frank Williamson of Media, Pa., uses this Autocar for crushed stone and other material and, as an instance, hauled 80 tons from a railroad siding in Media to the grounds of the Rose Tree Hunt Club, a mile and a half away, in two days. Contractors and dealers in building material are extending trade and delivering more goods in quicker time with the Autocar.

Write for illustrated catalog and list of more than 3000 Autocar owners in every line of business.

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THE AUTOCAR COMPANY

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Established 1897

Motor Delivery Car Specialists



ANNOUNCEMENT

"Steelcrete" Mesh
Expanded Metal
Reinforcing Bars

The Consolidated Expanded Metal Co. of Pittsburg, Pa.

Announces the Opening of a **BRANCH OFFICE AND DISTRIBUTING STATION IN PHILADELPHIA**

2200 ARCH STREET (Larkin Building, First Floor)

— WRITE FOR NEW "STEELCRETE" HAND BOOK —

Hogg Construction Company, Inc.

Building Construction in all
Its Branches.

Alteration Work, Repairs,
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"Personal Attention from
Foundation Walls to
Interior Trim."

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DESIGNERS and FABRICATORS
OF STEEL STRUCTURES

Constantly on hand a large stock of Beams
Plates, etc., for Prompt Delivery

22nd and Washington Avenue

Bridge Shop, Eddystone, Pa.

1622 Real Estate Trust Co. Building

S. E. Cor. Broad and Chestnut Sts.

PHILADELPHIA

THE JOHN BAIZLEY IRON WORKS

Office, 514 So. Delaware Avenue, Phila.

Blacksmiths, Boilermakers and Machinists,
FIRE ESCAPES, Builders' Iron Work, Boilers,
Tanks and Stacks, Railings and Structural Iron
Work. Boiler Tubes Safe-ended. Oxy Acetylene
Welding.

Are you aware, Mr. Advertiser, that this paper circulates in 5,000 offices, reaches every architect of any prominence in the East and the Secretary of every architectural club and chapter in the country?

EDITORIAL COMMENT

(Continued from page 458)

the Middle Ages. In his book on "Gothic Architecture in France, England and Italy," Sir Thomas Graham Jackson tells us some things about these wonderful mediæval workmen that go to show that they were not the pious servants of art and the Church in those days that they were supposed to be. For example:

They laid the foundations of Winchester on a peat bog, and at Ashbourne the foundations are put together without mortar. At Chichester, before the spire fell, the mortar of the interior of the piers ran out like water when a stone was withdrawn. The lovely early English tower of St. Mary's at Stamford, to which Sir Walter Scott used to take off his hat when posting through the town northward, is put together with nothing but dirt scraped off the road and containing very little lime, if any. But while they scamped and shirked, their works live to praise them, and the author laughs to scorn the popular notion that these works were not the outcome of master brains creating buildings each with an individual character.

"There can be no artistic conception without an author," he says, "and it is absurd to suppose that the design of any great building in the Middle Ages came of itself from the associated labor of a group of builders without a single head over them to direct, as some fanciful people would have us believe. A great work of architecture can no more come into being that way than a great picture from a committee of painters or a great poem from one of the poets."

EDITORIAL NOTES.

The fear that modern high explosives may demolish the few remaining examples of great architecture is expressed by Sir Thomas Graham Jackson. "It is difficult to see," he writes in his pre-

face, "how any architecture is to survive modern methods of warfare. Buildings that have for hundreds of years looked down on changes of masters and have survived battles and sieges during the Middle Ages and the Napoleonic campaigns, crumble into dust at the awful touch of the modern engines of destruction. Unless wars should cease in all the world we may be the last who will see the wonders of ancient architecture."

* * *

It is claimed for the new Cleveland Museum of Art that it is one of the most effectively planned institutions of its kind in the United States, embodying in one structure features that in no other building are to be found under one roof.

The Cleveland architects, Messrs. Hubbell and Benes, prepared the plans in consultation with the late Edmund B. Wheelwright, of Boston; Mr. Henry Kent, of the Metropolitan Museum, and other experts aided in solving practical and aesthetic problems, and the beautiful building resulting from their intelligent and interested effort probably is the most effectual museum and the most attractive in the country.

* * *

Read your trade paper. The man who doesn't take an interest in the doings of the line in which he is engaged isn't keeping up with the procession. He is not a live wire.

* * *

Can't you think of some friends who ought to get THE GUIDE regularly and who would most likely be interested in it? We'll send 'em sample copies if you'll furnish the names.

* * *

Notice any improvement in this number of THE GUIDE? Write and let us know what you think of the change in its make-up.

No one suffers from a mean disposition like the fellow who has one.

Concrete for Permanence

A brand that has been on the market since 1883 and has stood the test of time; a service that is second to none; a brand stamped with the approval of the most prominent architects, engineers, and largest contractors, with a guaranty to pass the Standard Specifications and to be the equal of any cement on the market.



Giant Portland Cement

should receive your consideration when in the market. Let us quote.

GIANT PORTLAND CEMENT COMPANY
603-610 PENNSYLVANIA BUILDING PHILADELPHIA, PA.



LUMBERMEN PLAN FREIGHT INQUIRY.

Plans are rapidly being completed by Government and lumbering association authorities, for the opening of the greatest rate investigation in America's history of freight rate regulation, which will begin on July 1, when a complete study of freight rates will be opened, to take up every freight rate involving lumber or any of its products. There are 18,000 tariffs to be examined, and the lumber associations on their part have compiled tables showing all shipping details on 50,000 cars of lumber and lumber products in every part of the country.

The investigation is not a complaint of the lumbermen against the railroads, or an effort on the part of the railroads to increase rates. It is, on the contrary, an effort on the part of the Interstate Commerce Commission to make a national reclassification of rates.

The purpose is to so divide the present rate fabric in such manner as to establish a relationship between manufactured articles of all descriptions and the rough lumber from which these articles are made. It is not in any sense a rate fight between the carriers and shippers, but the biggest revolution ever proposed in rate regulation. It is proposed to so change shipping customs that there will be uniform tariffs in all parts of the country on lumber products, from the second producing industry in America, instead of thousands of different rates.

The lumbermen, however, fear that this proposal would mean the passing of the mixed car trade, with disastrous effect alike to the producers, carriers and consumers.

SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

ORDERS \$15,000,000 HOTEL IN NEW YORK.

To go out and order the greatest hotel in the world quite as one would order a suit of clothes sounds like the dream of a rarebit fiend or the imaginary adventures of a modern Aladdin, says the "National Real Estate Journal."

That, however, is just what happened in New York recently when Charles H. Ingersoll, the watch manufacturer, president of the Commonwealth Hotel Construction Corporation, and his associates approved a contract with Hoggson Brothers, originators of the Hoggson single contract building method, for the delivery of a \$15,000,000 hostelry.

The hotel is planned to be erected in the Times Square district of New York; the \$15,000,000 is to cover the cost of the site, the building and its equipment. The building is designed to occupy an entire block front and is to be 28 stories high. It is planned to contain 2,500 rooms or more—nearly twice as many as the largest hotel now existing.

The Commonwealth Hotel Construction Corporation is a co-operative concern, which plans to have about 150,000 shareholders, each of whom, except the directors, will own a single share. The directors, in accordance with the laws under which the company is incorporated, will own three shares each.

It was desired to know in advance that the hotel building would not cost more than the sum which the corporation or association desires to spend. Hence the single contract, which covers the services of architects, engineers, builders and decorators, in addition to building materials and furnishings, which are to be installed upon the completion of the hotel. The contract, in brief, binds Hoggson Brothers, for a stated sum, to take a building site and within a stipulated sum to deliver a fully equipped hotel, ready at the touch of a button to receive guests and give full service.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

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The Philadelphia Real Estate Record and BUILDERS' GUIDE

PUBLISHED WEEKLY

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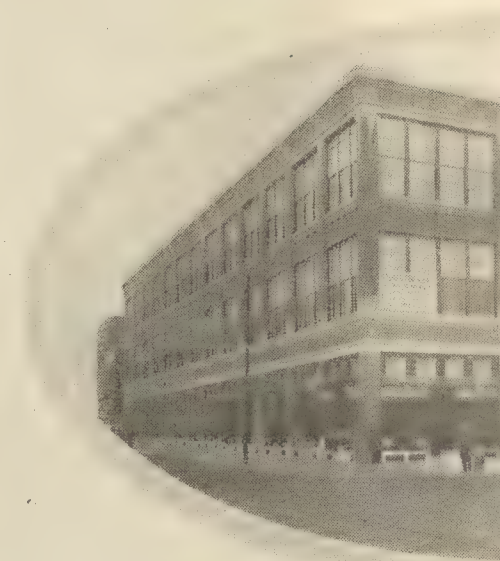
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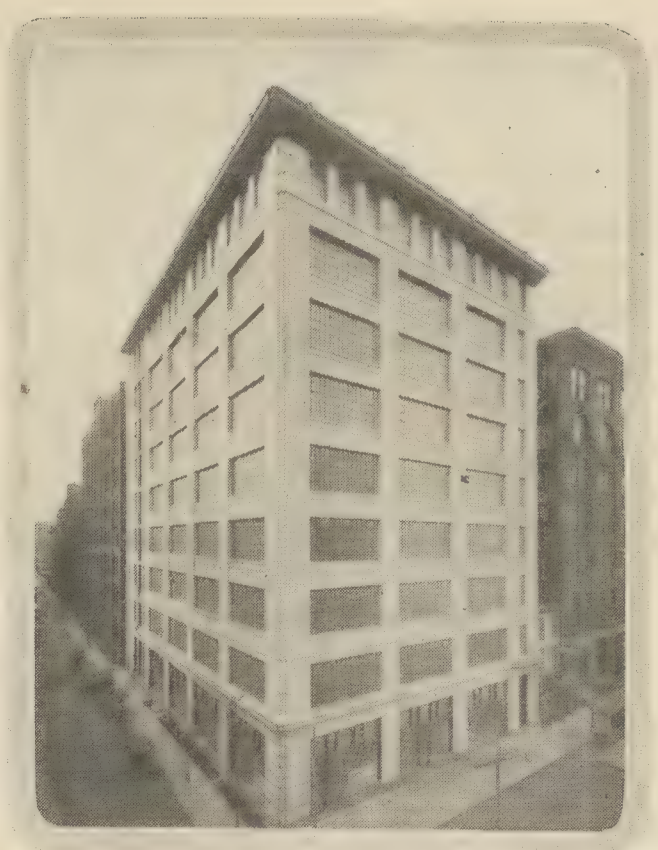
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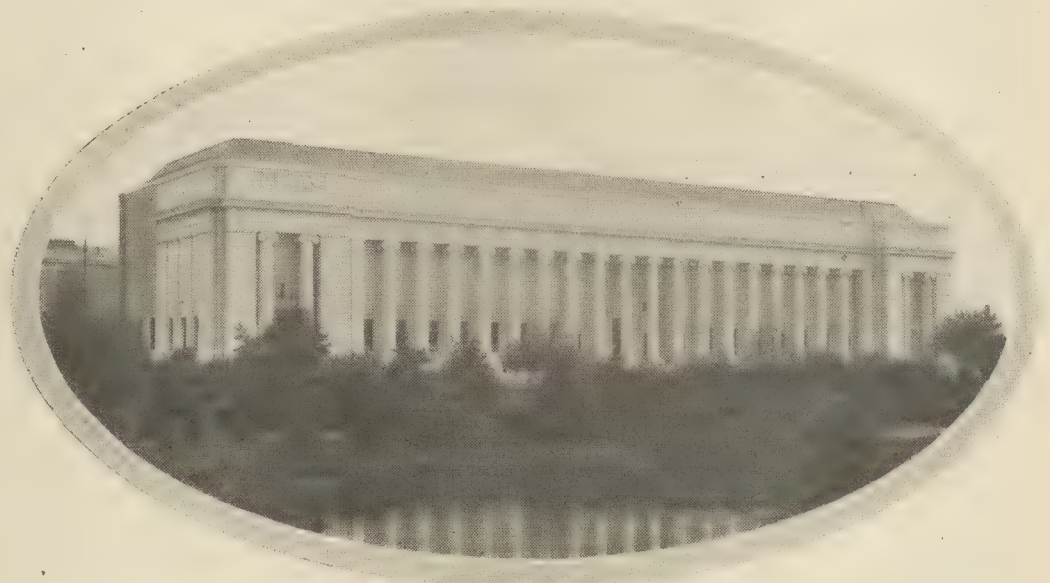
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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store Building, 1830-32 Market street, Philadelphia. Architects, Henon & Boyle, 10 S. Eighteenth street, Philadelphia. Owner, name withheld. Brick and terra cotta, 2 stories, 40 x 176 feet, slag roof, gum wood floors, metal lath, fire doors, roof ventilators, metal frames, kalamein doors, dampproofing (heating, plumbing and electric work separate bids). Architects have received bids.

Twin Residences (alts. and add.), 332-334 Walnut lane. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, W. F. Ballinger, 304 Walnut lane. Consists of modernizing houses, heating, plumbing, lighting, etc. Architects taking bids, due as soon as possible. The following are figuring: Wm. J. Gruhler & Co., 219 E. High street; Harry H. Cluck, 170 E. Walnut lane; Samuel Hartung, 28 E. Johnson street, Germantown.

Trestle, Reed Street Yard, Philadelphia. Architect, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. RR. Co., Broad Street Station, Philadelphia. Concrete and steel. Owners taking bids, due July 14th at 11 A. M. John N. Gill & Co., Heed Building, are figuring.

Offices (alts.), 209 South Third street, Philadelphia. Architects, Evans & Warner, Witherspoon Building, Philadelphia. Owners, Insurance Co. of North America, 232 Walnut street. Consists of interior alterations, metal lath, tile work, plumbing, painting, steam heating. Architects have received bids.

Telephone Exchange (alts.), Frankford, Philadelphia. Architect, private plans. Owners, Bell Telephone Co. of Penna., Seventeenth and Arch streets, Philadelphia. Consists of interior alterations for kitchen and dining room. Owners have received bids.

Recreation Building, Fifty-first and Chester avenue, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Board of Recreation, City Hall, Philadelphia. Brick, stone and terra cotta, 2½ stories, 202x85 feet, slate roof, metal lath, roof ventilators, iron stairs, steel lockers (heating, plumbing and electric work separate bids). Lowest bidder, Frank G. Stewart, 1619 Sansom street, \$104,896.

Store and Apartments and Garage, Sixtieth and Arch streets, Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner, name withheld. Brick, 3 stories, 16x75 feet, slag roof, electric lighting, hot water heating, tile work, hardwood floors, oil storage system, cement floors. Plans completed. Ready for bids.

Power House, Frankford avenue and Westmoreland street. Architect, W. E. S. Dyer, and Title Building. Owners, Thos. Welstenholme Sons & Co., on premises. Brick and steel, 2 and 4 stories, slag roof, proposal bond, metal sash, fire doors (heating and electric work reserved). Architect has received bids.

Sunday School, Pulaski and Gibson avenues. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, West Side Presbyterian Church, Rev. W. P. Lee, 5516 Morris street, Philadelphia. Stone, 2 stories, 61x109 feet, slate and slag roof, metal lath, fire door, roof ventilator, hollow tile, tile work, metal lockers (heating, plumbing and electric work separate bids). Architects tak-

ing bids, due July 12th. The following are figuring: Wm. J. Gruhler & Co., 219 E. High street; Thos. C. Trafford, 1613 Sansom street; Thomas M. Seeds, Jr., Co., 1207 Race street; Geo. Kessler Cont. Co., Drexel Building; H. H. Wehmeyer, 1004 Lehigh avenue; E. E. Hollenback, Fifteenth and Race streets; Samuel Harting, 28 E. Johnson street; Fred Elvidge, 5522 Germantown avenue.

College Buildings, near Chestnut Hill, Pa., \$500,000. Architect, C. Albert Kelsey, Perry Building, Philadelphia. Owners, Carson College for Orphan Girls, Witherspoon Building. Consists of three cottages, stone, 2 stories, 101x25 feet, 138x48 feet, and 120x42 feet; two residences, 2½ stories, stone, 25x75 feet and 40x32 feet; store building, 1½ stories, 40x70 feet; garage, 2 stories, 36x175 feet, tile roofs, hot water heating, electric lighting, sewage disposal plant, hollow tile and concrete fireproofing, metal lath. Plans about completed. Architect will take bids July 17th.

Factory (add.), 307 to 311 Florist street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Joseph Kopperman & Sons, on premises. Brick, 2 stories, 57x95 feet, slag roof, steam heating, electric lighting. Plans about completed. Architect will soon take bids.

Parochial School, Earp street, below Third street. Architect, Louis H. Giele, 1123 Broadway, New York City. Owners, St. Casimer's R. C. Church, Rev. J. Kanlakis, 333 Wharton street, Philadelphia. Brick, 2 stories, 85x82 feet, slag roof, steam heating, electric lighting, metal lath, roof ventilators, terrazzo work, concrete floors. Architect taking bids, due July 12th. Graham-Campton Co., Heed Building, and I. T. Shoemaker, 1324 Walnut street, Philadelphia, are figuring.

Church (alts.), southeast corner Eighth and Cumberland street. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Memorial M. E. Church, Rev. Francis H. Tees, 2434 North Marshall street, Philadelphia. Consists of interior alterations, painting, plastering, mill work, plumbing, etc. Architects taking bids, due July 17th. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; Thomas C. Trafford, 1613 Sansom street; Wm. R. Dougherty, 1610 Sansom street; A. Raymond Raff Const. Co., 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; H. H. Burrell, 206 South Quince street; Philip Haibach Contracting Co., Twenty-eighth and Thompson streets; R. C. Ballinger & Co., 218 North Twelfth st.

Store Building (alts.), 923 Market street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, L. W. Hirsch Co., on premises. Consists of interior alterations, electric lighting, ornamental iron work. Architect taking bids, due July 11th. The following are figuring: Lam Building Co., 1001 Wood street; H. Reusswick, 137 North Tenth street; B. Bornstein, 1510 North Franklin street; Joseph Levin Co., 1520 South Sixth street; Smith-Hardican Co., 1608 Cherry st.; McCloskey & Bahls, Hale Building; Freund-Siedenbach Co., Bulletin Building, Philadelphia.

Intake and Outlet Houses, Torresdale, Philadelphia. Owners, City of Philadelphia,

Department of Public Works, Water Department, Geo. E. Bateman, Director, City Hall. Brick, granite, concrete and terra cotta, 1 story, 74x24 feet, 35x26 feet, slag and slate roof, steel doors, steel sash, proposal bond. Owners taking bids, due July 18th at noon. McCloskey & Bahls, Hale Building; W. W. Anstine & Co., 1218 Filbert street, are figuring.

Ash Handling Plant, Torresdale Philadelphia. Owners, City of Philadelphia, Department of Public Works, Water Department, Geo. E. Dateman, Director, City Hall. Concrete and steel, proposal bond. Owners taking bids, due July 18th at noon. McCloskey & Bahls, Hale Building, and W. W. Anstine & Co., 1218 Filbert street, are figuring.

Store and Apartments (remodeling), 240 and 242 South Eleventh street. Architect, Otto C. Wolf, Denckla Building, Philadelphia. Owner, Tony Kayser, 238 South Eleventh street, Philadelphia. Brick, 3 stories, 25x100 feet, slag roof, steam heating, electric lighting, tile work. Plans in progress. Architect will take bids in about two weeks.

Bank Building, Broad and Fairmount avenue, Philadelphia. Architect, Otto C. Wolf, Denckla Building, Philadelphia. Owners, Northwestern National Bank, Girard and Ridge avenues. Marble and steel, fireproof, 1 story. Details not yet decided. Plans will soon be started.

Residence, Germantown, Philadelphia. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner's name withheld. Brick, 2½ stories, 30x65 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Boiler House and Coal Storage, Thirty-seventh and Reed streets, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, Philadelphia Rubber Works, Land Title Building, Philadelphia. Brick, concrete and steel. Boiler house, 1 story, slag roof, metal sash, roof ventilators, fire doors. Architects taking sub-bids on all lines.

Residence (alts.), 4710 Springfield avenue. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, Frank M. Schwab, 4817 Windsor avenue, Philadelphia. Brick, 3 stories, hot water heating, electric lighting, tile work, hardwood floors. Architects taking sub-bids on all lines.

Factory (add.), Stenton and Wyoming avenues, Philadelphia. Architect, Charles W. Denny, Hale Building, Philadelphia. Owners, National Drug Co., on premises. Brick and concrete, 3 stories, 95x48 feet, slag or asphalt roof, pine floors, metal sash, fire doors (heating, electric work, sprinklers, separate bids). Architect is sub-letting all contracts.

Residence, Upsal street and Wissahickon avenue, Philadelphia. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, Upsal street and West Wissahickon avenue. Stone, 2½ stories, 30x70 feet, slate roof, hot water heating, electric lighting, tile work. Architect taking bids, due July 17th. The following are figuring: Stokes Bros., 6723 Musgrave street; Charles Johnson, 5701 Boyer street; I. A. Dunkelberger, 71 East Herman street; William J. Gruhler & Co., 219 East High street; Joseph H. Maguire, Wayne, Pa.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Garage, Wakelin and Akron streets, Philadelphia, \$20,000. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, W. H. Wolstencroft, 5019 Penn street, Philadelphia. Brick and stone, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Harry A. L. Smink, 5320 N. Eighteenth street, Philadelphia.

Stores (alts.), northeast corner Broad and Walnut streets, Philadelphia, \$8,000. Architects, E. J. Holmes & Co. and C. Wharton Churchman, 1535 Locust street. Owners, Broad Street Realty Co., Land Title Building, Philadelphia. Consists of alterations to first floor and basement, linotile floors, metal lath. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

Hospital (alts.), Thirty-fourth and Spruce streets, Philadelphia. Architects, Broekie & Hastings, 1713 Sansom street, Philadelphia. Owners, University of Pennsylvania Hospital, on premises. Metal lath, waterproofing, tile, terrazzo and marble work, reinforced concrete floors (heating and electric work reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street.

Cooler Building, Thirtieth and Race streets, Philadelphia, \$100,000. Engineer, C. B. Comstock, 110 W. Fortieth street, New York City. Owners, West Philadelphia Stock Yards Co., on premises. Reinforced concrete, 3 stories, 77x104 feet, composition roof, ornamental iron work, fire doors (electric work reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Bank Building (alts. and add.), Seventh and Girard avenue. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Peoples Bank, on premises. Marble and brick, 1 story, electric lighting, steam heating, etc. Contract awarded to Samuel Schultz & Co., 1139 North Fortieth street.

School Building (alt. and add.), 428-30 Bainbridge street. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Young Women's Union, care Miss Berg,

President, on premises. Consists of interior alterations, steam heating, plumbing, plastering, mill work. Builders, Lam Building Co., 1001 Wood street, taking sub-bids on all lines.

Bridge, south of Berkley on the S. & L. Branch. Owners, Phila. & Reading Railway Co., Twelfth and Market streets. Concrete. Contract awarded to G. H. Reimard, Bloomsburg, Pa.

Bridge, Chews Landing on Gloucester Branch. Owners, P. & R. RR. Co., Atlantic City Railroad Co., Philadelphia. Concrete. Contract awarded to Armstrong & Latta, Land Title Building, Philadelphia.

Bridge, No. 22, Lansdale, Bethlehem Branch. Owners, Phila. & Reading Railway Co., Reading Terminal. Steel and concrete. Contract awarded to Cantrell Const. Co., Twenty-second and Sedgley avenue.

Bridge, No. 77, Poor House road, over Lebanon Valley Branch. Owners, Phila. & Reading RR. Co., Reading Terminal. Steel and concrete. Contract awarded to Penna. Steel Co., Morris Building.

Residence, Tenth and Northeast Boulevard, Philadelphia, \$9,500. Architect, Ralph B. Bencker, Bellevue Court Building, Philadelphia. Owner, Rev. Irving S. Chenoweth, 1418 Euclid street, Philadelphia. Stone, 3 stories, 15x50 feet, slate roof, hot water heating, electric lighting, tile work, parquet floors. Contract awarded to Geo. A. Boyd, 5012 Schuyler street, Germantown.

Theatre (alt.), Broad and Erie avenue, \$20,000. Architects, Hanon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, Nicholas J. Hayes, Broad and Erie avenue, Philadelphia. Consists of interior and exterior alterations. Contract awarded to Hogg Const. Co., 1634 Sansom street.

Tunnel, Wishart near Emerald street, \$2,500. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Cleveland Worsted Mills, on premises. Reinforced concrete, waterproofing, fire doors. Contract awarded to George & Borst, 277 South Eleventh street, Philadelphia.

PENNSYLVANIA

Construction News

Apartment Hotel, Bryn Mawr, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner, Norman P. Sinclair, Bryn Mawr, Pa. Brick and stone, 6 stories and basement, 148x96 feet, slate and tin roof, hot water heating, electric lighting, hardwood floors, electric fixtures, terra cotta and tile work, fire tower, fire doors, elevators (electric), shower baths. Architects taking bids, due July 12th. I. T. Shoemaker, 1324 Walnut street, is figuring.

Residence, Chester, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, David B. McClure, Chester, Pa. Brick, stone trimmings, 2½ stories, 45x29 feet, slate roof, hot water heating, electric lighting, oak floors, tile work, dampproofing, hollow tile. Architects have received bids.

Residence (alts.), Laverock, Pa. Architects, Marmaduke Tilden, 1713 Sansom street, and Bissell & Sinkler, Bailey Building, Philadelphia. Owner, Arthur E. Newbold, Laverock,

Pa. Consists of new stone and frame porches, slag roof. Revised plans in progress.

Administration and Service Building, Darby and Eagle roads. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Haverford Township Commissioners, Dr. H. B. Morse, secretary, Llanerch, Pa. Stone and terra cotta. Administration building, 2 stories, 46x76 feet; service building, 2 stories, 54x46 feet, slate roofs, steam heating, electric lighting, waterproofing, tile work, iron stairs, roof ventilators, proposal bond. Owners have received bids.

Department Store (alt. and add.), Harrisburg, Pa. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, Mrs. Emma Astrich, Harrisburg, Pa. Brick, 3 stories, slag roof, steam heating, electric lighting, fire doors, roof ventilator, kalamein doors. Plans completed. Owner ready for bids.

Residence, near Johnstown, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street,



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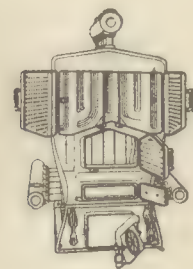
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Philadelphia, Pa.

Philadelphia. Owner, R. M. Mullen, Johnstown, Pa. Stone and stucco, 2½ stories, 26x32 feet, slate roof, electric lighting, hot water heating, tile work, hardwood floors. Plans in progress.

Virus Building, Ridgway, Delaware County, Pa. Architect, private plans. Owners, H. K. Mulford Co., care of C. L. Baker, Jr., Glenolden, Pa. Stone, hollow tile and concrete, 1 story, 31x200 feet, asphalt shingle roof, metal doors, roof ventilators, metal lath, concrete floors, steam heating, electric lighting. Owners are building and sub-letting all contracts.

Bridge, near Evans, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Concrete and steel. Owners taking bids, due July 12th. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Automobile Factory, York, Pa. Engineer, E. Wager Smith, 1613 Sansom street, Philadelphia. Owners, the Pullman Motor Car Co., York, Pa. Brick and steel, 1 story. Details not yet decided. Plans about to be started.

Residence, Oakmont, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Melvin Detwiler, care of architects. Brick and plaster, 2½ stories, 24x40 feet. Architects taking revised bids. S. E. Waters, Llanerch, Pa.; George W. Deaves, Oakmont, Pa., and W. Harry Roberts, Ardmore, Pa., are figuring.

Ward Buildings (2), South Mountain, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Asylum for Chronic Insane, Dr. S. S. Hill South Mountain. Brick stone terra cotta and reinforced concrete, stories, 396x87 feet, slate roof, metal lath, waterproofing, composition floors (heating, plumbing and electric work separate bids). Lowest bidders, Metzger & Fisher, Denckla Building, Philadelphia. East wing, \$70,363; west wing, \$58,336.

Residence, Rydal, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 30x68 feet, shingle roof, electric lighting, hot water heating, tile work, hardwood floors. Architects taking bids, due July 24th. The following are figuring: F. E. Heston, Churchville, Pa.; J. B. Flounders, 1329 Arch street; F. B. Davis, 240 North Sixteenth street; I. A. Dunkelberger, 71 East Herman street, Philadelphia; W. John Stevens, Wyncote, Pa.; E. D. Lever, Abington, Pa.; George Dobbins, Germantown avenue and Graver's lane; Specht & Sperry, Heed Building, Philadelphia.

Residence, Oak Lane Park, Pa. Architects, Neg & Thames, Heed Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 27x39 feet, slate roof, electric lighting, oak floors, tile work (heating and metal weather strips reserved). Architects taking bids, due July 11th. The following are figuring: John H. Dagney, Sixty-ninth and York road; C. L. Hemmerly, Melrose, Pa.; C. M. Hill, Roslyn, Pa.

Nay Aug Zoo, Nay Aug Park, Scranton, Pa., \$10,000. Architect, J. J. Howley, Scranton, Pa. Owners, City of Scranton, John G. Hayes, Director of Public Works, Scranton, Pa. Reinforced concrete, brick, steel and stucco, consists of bird house, deer house, bear dens and toilet building. Bird house, 60x30 feet, toilet, 12x22 feet, slag and glass roof (heating reserved, reinforced concrete floors, waterproofing and dampproofing, iron fences and cages, ventilators. Architect ready for bids.

Garage and Storehouse (alt. and add.), Adams avenue, Scranton, Pa. Architect, James A. Barrett, Connell Building, Scranton, Pa. Owners, F. A. Hannah & H. M. Edwards, Scranton, Pa. Reinforced concrete and brick, 1 story, 31x52 feet and 40x64 feet, slag roof, steam heating, electric lighting, concrete floors, ventilators, metal sash. Architect has received bids.

Church, Plymouth, Pa., \$18,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owners, Welsh Congregationalist Church, Rev. Boaz. Brick, stucco and shingle, 1½ stories, 40x100 feet, slate roof, steam heating, electric lighting, composition floors, metal lath, dampproofing. Architect taking bids, due July 10th. The following are figuring: Stephen Price, Nanticoke, Pa., and James Monks, Kingston, Pa.

School (alt. and add.), Laurel Run, Pa. Architects, Newberry & Foster, Wilkes-Barre, Pa. Owners, School District of Laurel Run, Joseph Franks. Frame, 2 stories, 22x50 feet, slag roof, steam heating, electric lighting. Architects taking bids, due July 10th. The following are figuring: E. F. Mellon, G. W. Green, Wilson J. Smith, O. J. Boarings and Walburn & Barney, all of Wilkes-Barre, Pa.; E. J. Donohoe, Ashley, Pa.; E. E. Kelley, Laurel Run, Pa.; J. E. Derby, Georgetown.

Church (alt. and add.), Plains, Pa., \$5,000. Architect, E. N. Finch, People's Bank Building, Plains, Pa. Owners, Bethel P. M. Church, Rev. W. D. Williams, 11 Mill street, Plains, Pa. Frame, 2 stories, 14x40 feet, shingle and slate roof, electric lighting. Architects taking bids, due July 10th.

High School, Pleasant Mount, Pa., \$15,000. Architect, Percival J. Morris, Burr Building, Scranton, Pa. Owner, Mount Pleasant Township. Brick, 1 story, 107x72 feet, slag roof, steam heating. Revised plans in progress.

Hotel and Apartments (35 rooms), Olyphant, Pa., \$15,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner's name withheld. Frame and brick veneer, 3 stories, 48x52 feet, slag roof, steam heating, electric lighting, composition and maple floors, metal ceilings. Plans in progress.

Store and Apartments, South Washington street, Wilkes-Barre, \$50,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner's name withheld. Brick and steel and cut stone, 4 stories, 40x135 feet, slag roof, steam heating, combination lighting, hardwood and tile floors, reinforced concrete fireproof porches, metal ceilings, dumb waiters. Plans in progress.

Store (alt. and add.), Beaver Brook, Pa., \$6,000. Architect, George S. Welsh, Coal Exchange Building, Wilkes-Barre, Pa. Owner, C. M. Dodson, Beaver Brook, Pa. Frame, 2 stories, 10x65 feet, shingle roof, marblod and concrete floors, compo board. Plans in progress.

Department Store, Wilkes-Barre, Pa., \$85,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Joanus Long & Son, Wilkes-Barre, Pa. Brick, steel and terra cotta, 3 stories, 70x200 feet, slag roof, steam heating, electric lighting, waterproofing, fire doors, sprinkler system, passenger and freight elevators (2). Plans in progress.

Twin Residences, Wilkes-Barre, Pa., \$68,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owner's name withheld. Frame, 2 stories, 28x48 feet, slag roof, hot air heating, combination lighting. Plans in progress.

School (add.), Plains, Pa., \$20,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Plains School district, E. J. Quinn, Plains, Pa. Frame, 2 stories, 50x66 feet, slag roof (steam heating reserved), electric lighting, ventilators. Plans in progress.

Residence, Scranton, Pa., \$10,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, Dr. E. L. Lindsey, Madison avenue, Scranton, Pa. Frame, 2½ stories, 30x48 feet, slate roof, hardwood and tile floors (steam heating and combination lighting reserved). Architect has received bids.

PENNSYLVANIA

Contracts Awarded

Residence, Charles street, Dorranceton, Pa. Architect, J. S. Pettebone, Wilkes Barre, Pa. Owner, W. H. Shenk, Plymouth, Pa. Frame and stucco, 2½ stories, 36x60 feet, slate roof, vapor heating, electric lighting, tile and hardwood floors, waterproofing. Contract awarded to A. S. Monsch, Forty Fort, Pa.

Store and Apartment, Pittston, Pa., \$7,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre. Owner, John H. Mullen, Pottston, Pa. Brick, 3 stories, 32x48 feet, wing roof, steam heating, electric lighting. Contract awarded to Eckenrode Bros., Wilkes Barre, Pa.

Residence, Nantock Nanticoke, Pa., \$15,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre, Pa. Owner, Rev. J. V. Moylan, Nanticoke, Pa. Brick veneer and frame, 2½ stories, 40x54 feet, asbestos roofing, vapor heating, electric lighting, tile and hardwood floors. Contract awarded to Nanticoke Const. Co., Nanticoke, Pa.

Residence (alt. and add.), Rosemont, Pa. Architects, Zantzing, Borie & Medary, Fifteenth and Walnut streets. Owners, George H. McFadden, Rosemont, Pa. Consists of interior alterations, plumbing, slate roof, new heating system, electric lighting. Contract awarded to F. E. Wallace, 1220 Chancellor street.

School (add.), Penn Square, Pa. Architect, E. T. Boggs, 136 S. Fourth street, Philadelphia. Owners, Board of Education, Penn Square, Pa. Brick, 3 stories, 25x45 feet, slate roof (steam heating, electric lighting and plumbing separate bids). Contract awarded to Wm. H. H. Sheffner, Norristown, Pa.

Garage, Wyoming and Mulberry avenues, Scranton, Pa., \$40,000. Architect, Edward Langley, Connell Building, Scranton, Pa. Owner, Otto R. Conrad, Scranton, Pa. Limestone, hollow tile and brick, reinforced concrete, 2 stories, 65x150 feet, slag roof, steam heating, electric lighting, reinforced concrete, metal sash, fire doors. Contract awarded to Peter Stipp, 327 North Washington avenue, Scranton, Pa.

Twin Residence, North Maine avenue, Sran-ton, Pa. Architect, Frank J. Miller, People's

Bank Building, Scranton, Pa. Owner, Arthur C. Scheilds, Scranton, Pa. Frame, 2½ stories, 34x48 feet, slate roof, steam heating, combination lighting, oak floors. Contract awarded to Hower & Stender, Scranton, Pa.

School, Scranton, Pa., \$45,000. Architect, Frank J. Miller, People's Bank Building, Scranton, Pa. Owners, Board of Education, Eugene Fellows, secretary, Scranton, Pa. Brick, 2½ stories, 80x100 feet, slag roof, steam heating, electric lighting, metal ceilings, ventilators. Contract awarded to Allspaugh Bros., Scranton, Pa.

High School, Parsons, Pa. Architect, Owen McGlunn, Simon Long Building, Wilkes-Barre, Pa. Owners, School District of Parsons. Brick, 2 stories, 105x88 feet, slag roof, steam heating, electric lighting. Contract awarded to Herman Milander, Wilkes-Barre, Pa.

High School (alt.), Foster Township, Pa. Architect, Owen McGlunn, Simon Long Building, Wilkes-Barre, Pa. Owners, Foster Township School District. Interior alterations. Contract awarded to James M. Boyle, Wilkes-Barre, Pa.

Apartments (interior alt. and add.), Wilkes-Barre, Pa., \$5,000. Architect, George F. Schroeder, Weitzenkern Building, Wilkes-Barre. Owner, M. Riddington, Wilkes-Barre, Pa. Frame and brick, 2 stories, 20x20 feet, slag roof. Contract awarded to Joseph Gaynor, Wilkes-Barre, Pa.

Synagogue, Luzerne, Pa., \$9,000. Architect, George F. Schoeder, Wilkes-Barre, Pa. Owners, Ahawif Achin congregation, Max Freedman, Kingston, Pa. Frame, 2 stories, 28x52 feet, shingle roof, steam heating, electric lighting. Contract awarded to Razzell & Co., West Wyoming, Pa.

Residence (alt. and add.), Wilkes-Barre, Pa., \$8,000. Architects, Newberry & Foster, Wilkes-Barre, Pa. Owner, Miss Jessie Lentz, South Franklin street, Wilkes-Barre. Hollow tile and stucco, 2 stories, 34x36 feet, slag roof, steam heating, electric lighting, hardwood floors, waterproofing. Contract awarded to Walburn & Barney, Wilkes-Barre, Pa.

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NEW JERSEY

Construction News

Residence and Garage, Fairton, N. J., \$20,000. Architects, Ouster & Sultzer, 304 Market street, Camden, N. J. Owner, Joseph

Shoemaker, care architect. Hollow tile and stucco, 2½ stories and 1½ stories, 60x38 feet and 32x25x30 feet, shingle roof (heating and

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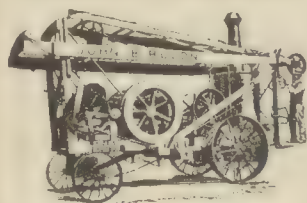
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plumbing reserved), electric lighting, hardwood and tile floors, waterproofing. Plans completed. Architects will take bids in about ten days.

Nurses Home and Hospital (alt. and add.), Bridgeton, N. J., \$15,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Bridgeton Hospital, Bridgeton, N. J. Brick, 2 stories, 30x60 feet, slag roof, hot water heating, electric lighting, composition noors, waterproofing, kitchen equipment. Owners taking bids, due July 8th. The following are figuring: H. H. Hankins & Bro., Maier & Bro., Grosseup & Sons, all of Bridgeton, N. J.,

and Geo. W. Shaner & Sons, Palmyra, N. J.

Boiler House, Elmer and Canal streets, Trenton, N. J., \$20,000. Architect, private plans. Owners, John A. Roebling's Sons Co., 612 South Broad street, care M. E. Mulford. Steel and brick and iron curtain walls, 1 story, 50x133 feet, corrugated iron roof, electric lighting. Owners are taking sub-bids on all lines.

Schools (10) (alts.), Trenton, N. J., \$80,000. Architect, W. A. Poland, Trenton, N. J. Owners, Board of Education, Trenton, N. J. Fire doors, fire proof stairs, new plumbing and heating, mill work. Owners ready for bids.

NEW JERSEY

Contracts Awarded

Residence, Merchantville, N. J., \$6,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Luke Lambert, Merchantville, N. J. Frame and stucco, 2 1/2 stories, 31x45 feet, shingle roof, hot water heating, combination lighting, hardwood floors. Contract awarded to Frederick Fries & Son, Had-don Heights, N. J.

Hospital Building, Spring Lake, N. J. Architects, Magaziner & Potter, 603 Chestnut st., Philadelphia. Owners, May Memorial Hospital, Spring Lake, N. J. Brick, stone trimmings, 2 stories, 40x100 feet, 40x50 feet, steam heating, electric lighting, tile and marble work, metal lath. Contract awarded to H. H. Moore, Spring Lake, N. J.

School (add.), Cinnaminson, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Westfield Preparative Meeting, Cinaminson, N. J. Stone and brick, plastered, 1 story, 25x25 feet, and 25x25 feet, slate roof, hot air heating, electric lighting. Contract awarded to Hugh B. Miller, Edgewater Park, N. J.

Factory, New Brunswick, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Ringwalt Linoleum Co., New Brunswick, N. J. Brick, 3 stories, 252x54 feet. Boiler house, 65x44 feet, slag roof, steel sash, fire doors (heating and electric work reserved). Contract awarded to Fred Kilgus, Newark, N. J.

Miscellaneous Construction News

Swimming Pool and Pumping Station, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Frank D. Lackey, Ninth and Market streets, Wilmington. Brick and stucco, 1 story, 14x20 feet, and 20x40 feet, slate roof, marble work, swimming pool, 20x40 feet, electric lighting, dampproofing. Will take bids in one week.

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Wm. Whitton, 604 W. Nineteenth street, Wilmington, Del. Brick, 3 stories, 45x35 feet, shingle roof, hot water heating, electric lighting, tile floors, waterproofing. Owner will take revised bids.

Residence and Garage, Greenville, Del., \$100,000. Architect, Leon Wilde Crawford, Equitable Building, Wilmington. Owner, Eugene E. du Pont, Wilmington, Del. Hollow tile and plaster, 2 1/2 stories, residence, 95x36 feet, wing, 18x36 feet; garage, 1 story, 42x24 feet, slate roof, metal lath, oak floors, waterproofing and dampproofing, concrete floors (plumbing, heating, electric work and tile work reserved). Architect taking bids,

due July 15th. The following are figuring: Pomeroy Const. Co., 1609 Ranstead street; H. L. Brown, 1714 Sansom street; Metzger & Fisher, Denekla Building, Philadelphia; Milton W. Young, Overbrook, Pa.; Frank N. Goble, 1 E. Forty-second street, New York City; F. W. Barnes, Montclair, N. J.; A. S. Read & Bro. Co., 815 Shipley street; W. D. Haddock & Co., 804 Orange street, and J. A. Bader, du Pont Building, Wilmington, Del.

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Miscellaneous Contracts Awarded

Residence, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Arthur W. Spruance, Du Pont Building, Wilmington. Brick, 2½ stories, 50x50 feet (warm air heating, electric lighting, plumbing, tile work, composition floors separate bids). Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, W. O. Quayle, 606 W. Nineteenth street, Wilmington, Del. Stone, hollow tile and plaster, 2½ stories, 50x30 feet, slate or shingle roof, hot water heating, electric lighting, tile and hardwood floors, waterproofing. Contract awarded to John E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Residence and Garage, Parkway, Wilmington, Del., \$12,000. Architects, Leon W. Crawford, Odd Fellows Temple, Wilmington. Owner, Louis Halle, 1207 Clayton street, Wilmington, Del. Brick and stone, 2½ stories, 40x46 feet, shingle roof (heating reserved), electric lighting, hardwood and tile floors, metal lath. Contract awarded to Wm. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Residence, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Mrs. Jos. A. Borge, 909 Adams street, Wilmington. Brick and stone, 3 stories, 26x40 feet, slate roof, hot water heating, electric lighting, hardwood and tile floors, waterproofing and dampproofing. Contract awarded to Charles J. Dougherty, 1809 Lincoln street, Wilmington, Del.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

David Pievsky (O and C), 8018 Gibson avenue. Cost, \$91,000. Thirty-six dwellings, brick, hot water heating, slag roof, 2 stories. Two dwellings, 15x49 feet, Fifty-ninth and Trinity streets. Thirty-four dwellings, 15x40 feet, Fifty-ninth and Trinity streets.

Derbyshire Bros. (O), 2418 North Front street. I. T. Shoemaker (C), 1324 Walnut street. Cost, \$35,000. Building, brick, 30x108 feet, steam heating, slag roof, 4 stories, 2418-20 North Front street.

Elias Rief (O), 505 South street. B. Bornstein (C), 1510 N. Franklin street. Cost, \$9,000. Dwelling, brick, 20x30 feet, 3 stories, slag roof, hot water heating, 517 South street.

The Bell Co. (O), Hancock and Pollard sts. Harry Gill, Jr. (C), 2515 Germantown avenue. Cost, \$75,000. Building, brick, 96x112 feet, 5 stories, slag roof, steam heating, Hancock and Laurel streets.

M. C. Furstenan (O), 308 Walnut street. Geo. A. Boyd (C), 5012 Schuyler street. Cost, \$7,200. Dwelling, hollow tile, 32x32 feet, tin and slate roof, hot water heating, Independence avenue, E. of Sixth street.

Rev. Irving S. Chenoweth (O), 1418 Euclid street. Geo. A. Boyd (C), 5012 Schuyler street. Cost, \$9,375. Dwelling, stone, 17x60 feet, hot water heating, tin and slate roof, Tenth and Northeast Boulevard.

Joseph B. Friedman (O and C), 2135 North Seventh street. Cost, \$77,000. Thirty-eight brick dwellings, hot water heating, slate roof, 2 stories. Thirty dwellings, 15x39 feet, Sixth and Tabor road. One dwelling, 16x56 feet, Sixth and Tabor road. Seven dwellings, 15x49 feet, Sixth and Tabor road.

Whittier Centre Housing Co. (O and C), 613 Lombard street. Cost, \$12,600. Seven brick dwellings, slag roof, 2 stories. Two dwellings, 15x42 feet, Dickinson and Opal

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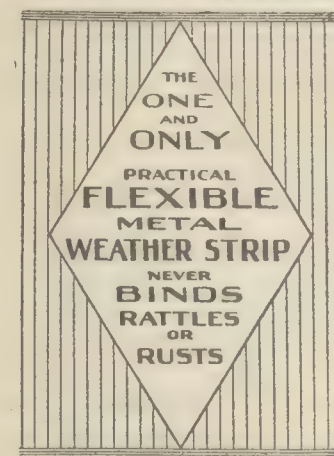


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streets. One dwelling, 15x41 feet, Dickinson and Opal streets. One dwelling, 15x38 feet, Dickinson and Tabor streets. Three dwellings, 14x41 feet, Dickinson and Opal streets.

Barkan Bros. (O and C), 514 Dickinson street. Cost, \$6,000. Two dwellings, brick, hot air heating, slag roof, 16x53 feet, 3 stories, 1320-22 Bainbridge street.

M. F. Embery (O), 4660 Frankford avenue. Rush Bros. (C), 1100 Fillmore street. Cost,

\$10,000. Store, brick, 2 stories, 34x63 feet, slag roof, 4660 Frankford avenue.

Henry Rauch (O), Fox Chase. W. E. Strock (C). Cost, \$4,400. Two dwellings, brick, 16x47 feet, hot water heating, slag roof, 2 stories, Oxford avenue and Cottman street.

B. Liebrnan (O and C), 3303 Kensington avenue. Cost, \$13,300. Seven brick dwellings, 14x52 feet, hot air slag roof, Tioga and Amber streets.

Alterations and Additions

B. Arrow (O and C), 860 N. Sixth street. Cost, \$500. Store, brick, 2 stories addition, 11x22 feet, 616 Parrish street.

G. R. Lenhart (O and C), 4053 Spring Garden street. Cost, \$4,000. Garage, brick, first story, 50x58 feet; second story, 50x41 feet, Thirty-eighth and Hamilton streets.

Barney McDevitt (O), Tenth and Buttonwood streets. John Palaia (C), 710 Fitzwater street. Cost, \$725. Saloon, brick, general repairs, flush bulks Tenth and Buttonwood sts.

Sports Clothier Shop (O), 32 S. Sixteenth street. Thos. M. Seeds, Jr., Co. (C), 1207 Race street. Cost, \$1,500. Store, brick, new flush bulks, 1630 Walnut street.

Anders & Snyder (O and C), 1215 Filbert street. Cost, \$1,200. Building, stone, addition, 15x39 feet, slag roof, Mt. Pleasant avenue and Pa. R. R.

Wm. Stewart (O), 1606 Foulkrod street. Rush Bros. (C), 1100 Fillmore street. Cost, \$1,100. Garage, brick, 1 story, 17x30 feet, slag roof, Foulkrod and Duffield streets.

E. A. Byons (O), 114 Cotton street. Elmer L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$650. Store, brick, general alterations, no additions, 4323 Cresson street.

Board of Education (O), Nineteenth and Chestnut streets. McCloskey & Bahls (C), Hale Building. Cost, \$3,000. School, stone, enlarge class windows, Sixth and Carpenter streets.

Bergner & Engel Brewing Co. (O), Thirty-second and Master streets. E. E. Hollenbeck, Inc (C), Fifteenth and Race streets. Cost, \$6,000. Building, brick, 1 story, 60x62 feet, corrugated iron roof, Thirty-third and Pennsylvania avenue.

T. W. Skirving (O), 219 E. Wister street. Wm. T. Bray (C), 4958 Wakefield street. Cost, \$1,000. Dwelling, brick, 1 story, rear addition, 16x28 feet, tin roof, 219 E. Wister street.

Jas. M. Barron (O), 2707 E. Lehigh avenue. Saml Lazarns (C), 2004 N. Twenty-first street. Cost, \$525. Dwelling, brick, 2 story addition, 15x12 feet, slag roof, 207 E. Lehigh avenue.

Harry Pottash, Esq. (O), 4170 Leidy avenue. Max Kane (C), 871 N. Sixth street. Cost, \$900. Dwelling, brick, 1 story addition, 18x12 feet, and general interior alterations, 4170 Leidy avenue.

Ins. Co. State of Penna. (O), 308-10 Walnut street. F. L. Hoover & Sons, Inc. (C), 1023 Cherry street. Cost, \$1,300. Building, brick, repair fire damage, 308-10 Walnut street.

Royal Ins. Co. (O), 306 Walnut street. Hoover & Sons Inc. (C), 1023 Cherry street. Cost, \$3,700. Building, brick, repair fire damages, 212 S. Third street.

Wm. Fearn (O), 2638 Belgrade street. Bery McCall (C), 3020 Janney street. Cost, \$500. Dwelling, brick, general alterations, no additions, 2637 Miller street.

Broad Street Realty Co. (O), S. 149 B. Broad street. Smith Hardican Co. (C), 1606 Cherry street. Cost, \$2,000. General repairs and alterations, 1347 Walnut street.

David Lorkin (C), 2003 S. Tenth street. B. Roseman (C), 528 Seigel street. Cost, \$500. Dwelling, brick, 1 story rear addition, 12x11 feet, slag roof, 2128 S. Tenth street.

E. T. Stotesbury (O), Drexel Building. Geo. F. Payne & Co. (C), 401 S. Juniper street. Cost, \$5,000. General repairs to brick building, 221 S. Eighteenth street.

E. P. Well & Co. (O), Church and Tacony streets. Wm. Ratcliffe (C), Philadelphia. Cost, \$9,000. Building, brick, 1 story addition, 86x165 feet, as plans, Church and Stiles streets.

Penna. Co. for Ins. (O), 515 Chestnut street. J. H. Osmond (C), 612 Race street. Cost, \$1,120. Hot air heating system, 1626 Walnut street.

David Levitt (O), 1332 Morris street. Jno. Cromley (C), 2107 Hicks street. Cost, \$500. Shop, brick, 2 stories, rear addition, 12x18 feet, 2101 S. Hicks street.

Summerdale Dying & Finishing Co. (O), Holmesburg. J. A. Hand (C), 8029 Frankford avenue. Cost, \$6,000. Dye house, brick, 1 story addition, 43x79 feet, 1 story addition

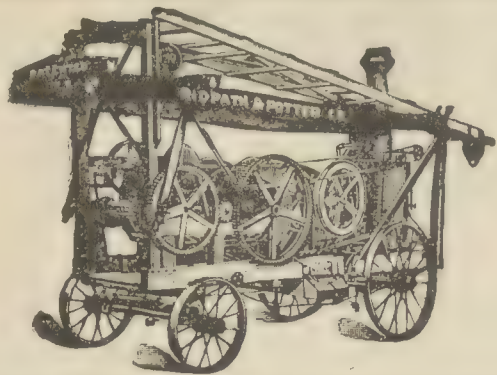
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Rev. E. F. Prendergast (O), Eighteenth and Race streets. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$8,000. School, brick, general alterations and additions, 345 North Sixty-third street.

J. H. Knowles (O), 5429 Market street. W. L. Burton (C), 2108 Sedgley avenue. Cost, \$1,300. Store, brick, general alterations and additions, as plans, 5429 Market street.

M. E. Murphy (O), Fox Chase, Philadelphia. Jos. Ashley (C), Fox Chase. Cost, \$1,375. Dwelling, frame, general alterations and etc., Oxford avenue and Loney streets.

Martha Mooney (O), Fox Chase. Jos. Ashley (C), Fox Chase. Cost, \$2,750. Dwellings, brick, general alterations, etc., Oxford avenue and Loney streets.

Groskete Bros. (O), Fox Chase. Jos. Ashley (C), Fox Chase. Cost, \$4,875. Store, brick, general alterations, etc., Oxford avenue and Rhawn street.

M. C. Furstenan (O), 308 Walnut street. Geo. A. Boyd (C), 5012 Schuyler street. Cost, \$600. Garage, hollow tile, 1 story, 14x24 feet, slate roof, Independence avenue, east of Sixtieth street.

Peter Cristaldi (O), 5742 Market street. H. Sadjian (C), Fifty-seventh and Vine sts. Cost, \$1,500. Dwelling, brick, 2 story addition, 16x19 feet, slag roof, 6212 Lansdown avenue.

Cokman Church (O), Twelfth and Lehigh avenue. James Spear Co. (C), 1823 Market street. Cost, \$1,300. Alterations to steam heating plant, Twelfth and Lehigh avenue.

Surpass Leather Co. (O), Ninth and Westmoreland streets. Kessler Const. Co. (C), 931 Drexel Building. Cost, \$14,000. Building, brick, 1 story addition, 50x79 feet, slag roof, Ninth and Ontario streets.

A. Krweruk (O), 1001 Pine street. Elmer P. Matthew (C), 1640 Redfield street. Cost, \$4,000. Dwelling, brick, 4 stories, rear addition, 11x9 feet, fireproof roof, 317 S. Tenth street.

Geo. Zell (O), 154 Girard avenue. Louis Cohen (C), 922 N. Oranna street. Cost, \$600. Repair fire damage, 618 N. Fourth street.

J. Maggioncalda (O), 3126 Darien street. J. J. Anxer (C), 2238 W. Sergeant street. Cost, \$2,000. Shop, brick, general repairs, 2328-30 N. Sydenham street.

Dr. Jameson (O), 1429 Spruce street. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$1,000. Dwelling, brick, third-story rear addition, 15x14 feet, tin roof, 1429 Spruce street.

Grooker Bros. (O), Fox Chase, Philadelphia.

Jos. Ashley (C), Fox Chase. Cost, \$975. Cafe and dwelling, stone and frame, general alterations, etc., Oxford avenue and Rhawn streets.

Wm. Fearn (O), 2638 Belgrade street. Berg McCall, 3020 Janney street. Cost, \$500. Dwelling, brick, general interior alterations, no additions, 2637 Miller street.

Mears & Brown (agt), 202 S. Fifteenth street. A. P. Fraim (C), 319 Market street. Cost, \$1,700. Dwelling, brick, general alterations, etc., Eleventh and Walnut streets.

Weightman Estate (O), 1524 Chestnut st. James S. Talley (C), 1931 Market street. Cost, \$1,800. Warehouse, brick, install new elevator (elec), 246 N. Delaware avenue.

Wilson Estate (O), 7 North Seventh street. Chas. P. Biggin Co. (C), 1829 Harlan street. Cost, \$1,000. General repairs, 7-9-11 North Seventh street.

Philip Helbner (O), 8305 Semnole avenue. I. A. Denekeberger (C), 71 Henon street. Cost, \$1,200. General alteration, 8305 Semnole avenue.

J. G. McGrery Stores Corp. (O), 621 Broadway, N. Y. H. Tiedmann (C), Nineteenth and Washington avenue, Philadelphia. Cost, \$2,000. General repairs and etc., 1205-7-9 Market street.

Proposals

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 1, 1916.—Sealed Proposals will be opened in this office at 3 P. M. August 28, 1916, for the extension, remodeling, etc., of the United States Post Office and Custom House at Nashville, Tenn. Drawings and specifications may be obtained after July 15, 1916, from the Custodian at Nashville, Tenn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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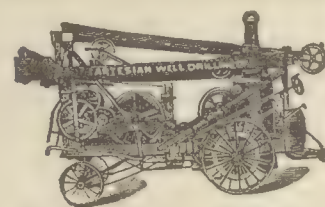
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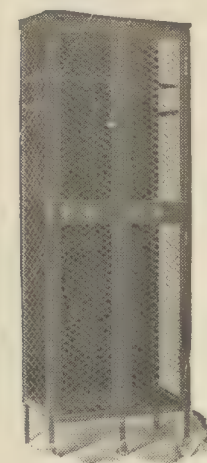


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PHILADELPHIA AS A BUILDING CENTER

A Classified and Tabulated Statistical Review of Structural Activities During 1916

	January.	February.	March.	April.	May.	June.	Total Operations.	Estimated Cost.
One-story Dwellings	2	0	0	0	1	0	3	\$6,400
Two-story Dwellings	219	617	883	1150	662	882	4,413	10,327,025
Three-story Dwellings	19	43	36	78	73	59	308	1,778,790
Rooming Houses	0	3	0	0	0	1	4	29,000
Office Buildings	2	1	3	4	2	5	17	734,300
Warehouses	7	1	4	1	3	5	21	1,257,065
Factories	10	4	13	12	6	12	57	2,573,000
Engine and Boiler Houses.....	0	0	1	1	4	2	8	169,600
Foundries and Shops.....	7	8	9	6	3	4	37	106,595
Stores	2	23	7	5	3	4	44	351,270
Churches	0	1	1	1	1	0	4	131,500
Libraries	0	0	1	0	0	0	1	45,000
Stables	5	2	6	4	4	2	23	41,775
Schools	9	1	2	0	1	1	14	576,000
Frame Dwellings	4	0	1	2	4	3	14	30,325
Tenement Houses	1	0	0	0	1	0	2	630,000
Hotels	0	0	1	1	0	0	2	1,360,000
Parish Buildings	0	0	0	0	0	2	2	51,000
Banks	0	0	0	0	1	0	1	250,000
Places of Amusement.....	0	0	1	0	0	0	1	82,000
Hospitals	0	0	1	0	0	0	1	70,000
Club Houses	0	0	0	2	0	0	2	6,000
Convents	0	0	0	0	0	1	1	65,000
Garages	44	27	123	74	73	88	429	553,910
Power Houses	0	0	0	0	1	0	1	9,500
Halls	0	0	0	1	0	1	2	61,800
Miscellaneous Buildings	16	14	12	21	19	43	125	144,835
Total New Buildings.....	347	745	1105	1363	862	1115	5,537	\$21,441,690
Additions	76	63	133	133	214	151	770	2,306,155
Alterations and Repairs.....	197	179	214	254	277	269	1,390	1,037,950
Grand Totals							7,697	\$24,785,795
Heaters							91	57,470
Fire Escapes							31	18,375
Signs							79	25,195
Miscellaneous Unclassified Work.....							678	166,785
Total Work of all kinds.....							8,576	\$25,053,620

TWO-STORY DWELLINGS—Including two-story Stores and Dwellings

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Totals
Jan.	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	22	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	54	19	21	1	64	0	0	0	22	0	0	119
Feb.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	26	30	0	17	0	0	0	0	0	0	2	8	5	0	1	20	0	257	0	120	0	0	29	98	0	0	617	
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	66	17	59	43	0	0	37	0	0	0	0	39	7	0	0	33	62	35	2	250	34	0	0	197	0	0	883	
April	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	77	61	0	1	124	0	1	0	0	0	138	52	7	0	0	73	27	132	21	325	26	0	11	61	0	0	1150	
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	15	33	0	0	0	0	1	0	0	0	0	75	20	0	0	96	6	64	2	157	16	1	99	65	0	0	662	
June	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	24	6	0	102	0	0	0	0	0	0	221	35	13	0	0	2	119	105	6	142	14	0	62	26	0	0	882	
Totals	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	230	147	59	163	124	0	39	0	0	0	0	364	209	55	0	1	278	233	614	32	1058	90	1	201	469	0	0	4413

THREE-STORY DWELLINGS—Three-story Stores and Dwellings

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Totals
Jan.	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	5	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	2	0	0	0	0	0	19	
Feb.	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	2	0	1	0	0	0	0	0	43	
March	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	4	1	0	3	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	14	0	0	36	
April	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	17	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	44	0	0	0	1	0	0	78
May	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	1	0	0	0	27	15	0	0	0	0	73	
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	17	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	20	4	0	0	14	0	0	59	
Totals	1	1	2	3	3	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	10	68	14	1	0	8	0	0	0	1	0	1	0	41	0	0	0	1	3	4	0	96	19	0	0	29	0	0	308

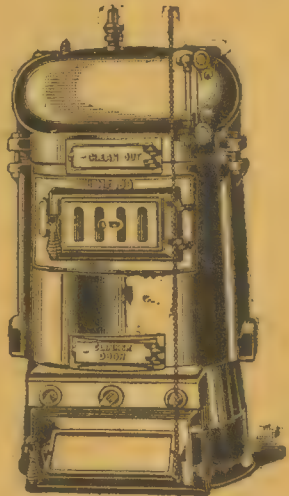
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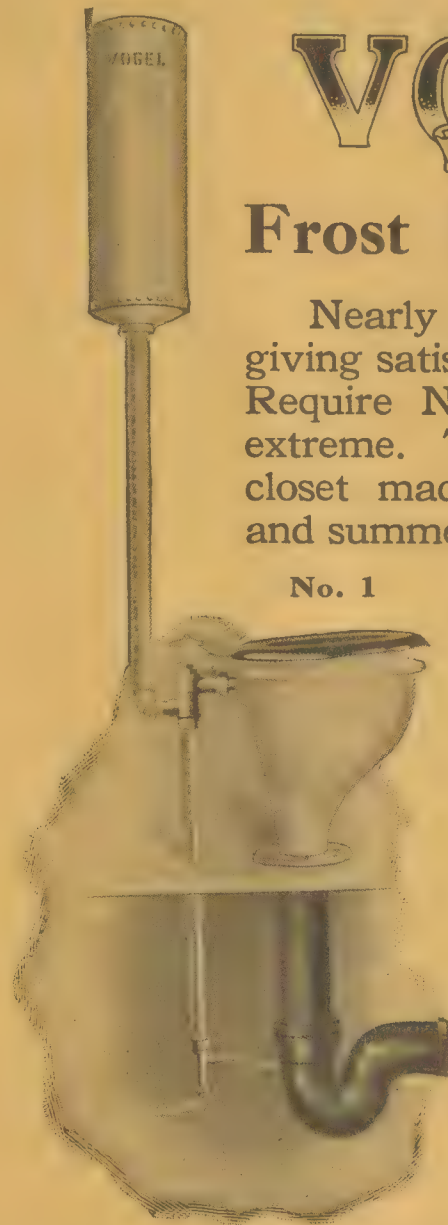
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Vol. XXXI., No. 29.

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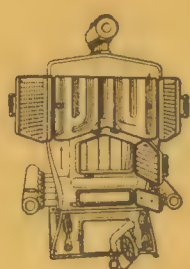
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"Satisfaction"

When a type of boiler is made
for 40 years, and each year's
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Reliable, verified,
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Let our represen-
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In all Meshes and Sizes

Made of Iron, Steel, Brass, Copper, Nickel, or Phosphor Bronze.

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Our No. 30 Catalog for 1916 contains valuable suggestions—Mailed upon request.

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Only The Finest Materials Go Into "F-S" Products.

That is why painters say "Ef-Es-Co." is one of the best dead-flat finishes on the market for wood and metals. It flows well under the brush and wears. Dead white and various shades. It will prove worthy of your specification.

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(127)

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Master Builders' Exchange

18 South 7th Street, Philadelphia

Is open to the public every day except Legal Holidays and Sundays.

If you are manufacturing or handling anything pertaining to the construction or completion of a building, and you do not have it in the EXHIBITION DEPARTMENT of the BUILDERS' EXCHANGE, you should get it there AT ONCE, for that is where the people come to look for such things.

Building Materials and Appliances are there to be seen, and special care is given to explaining the merits and uses, and giving all information required.



Liquid Filler

The first Liquid Filler made and the best, answering every requirement of Nice Standard.

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Wood Fillers are the trade's standbys. You can shoot at them from any standpoint without making any impression.

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Designs For the
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The "FLECK LINE" of Sanitary Plumbing and Heating Fixtures is so complete that you can materialize your ideas in our showrooms and get outfits for the moderately priced house as well as the mansion. Satisfaction is guaranteed. Also service. So visit our showrooms and let us help with your specifications.

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"House of Quality"

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Roofing and Structural Slate

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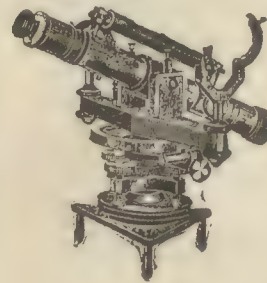
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A very reliable instrument for Architects and Contractors.

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The Best Wall Plaster
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Ask Your Dealer or Write Us

"WINDUSTITE" Metal Weather Strips

Save Fuel.

Keep out Dust.

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Eliminates window rattle and is practically everlasting.

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1112 Chestnut Street, Philadelphia

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 29

PHILADELPHIA
July 19, 1916



As The Editor Sees It



What the Zone System Stands For.

THE importance of the zone system, as an agency for the protection of residential sections against the invasion of undesirable and depreciating lines of trade, is slowly but surely enlisting the attention of builders and investors. It is beginning to be recognized, for example, that the investor who at a considerable outlay places an attractive improvement in a desirable locality has the right to insist that his investment be safeguarded against the depreciation incident to the intrusion into that locality of a stable, a factory, a garage, a tenement, a flashy theatre, or a billboard stand or any one of a dozen other structures out of key with the general character of the neighborhood and adapted therefore to lower its desirability or to change unfavorably its aspect as a community center. A writer in the pages of *The New York Real Estate Record and Guide* discusses the zoning system with an intelligent grasp of its salient features.

* * *

City Should Protect Owners.

THE whole problem is not solved with the grouping of the buildings that are used by all, says the writer. There is the most urgent need of putting order into the development of all of the private property in the community by controlling the height of buildings, the area of their yards and courts, and the character of their use all in the interest of the neighboring property. A home owner has no redress against a man who puts up a factory, tenement or garage next door. The city should protect him. Only by this means can homogeneity and harmony in the community be attained.

As one lets the imagination play with the possibilities of such a plan, there unrolls gradually a vision of the great city

plan of the future; a city of many villages all woven together, each complete and sufficient unto itself in the ordinary, every day things, but reaching out beyond for those that are extraordinary. Thus a number of villages would unite in one central group their higher schools, their central libraries, theatres and big auditorium, their concert hall, their armory and their larger playfields. Great central groups for the whole city would contain universities, art museums, institutions for the care of the sick and needy and finally as the culmination for the whole city, the central administrative, legislative and judicial group. Meanwhile the ideal street and transit system would connect all the various units of the plan together into one vast but perfectly co-ordinating organism; a triumph in the adaptation of form to function.

* * *

Few Men Sense the Great City.

THE best and often the only way in which the average man can obtain a real conception of the majesty and glory of the great city is to let his imagination run the gamut from the functioning and planning of the small local unit through the various more inclusive groups up to the great civic center. Very few men really sense the city. It is too big, too complex. But through taking an active part in the congregate life of the small neighborhood one does become imbued more and more with a sense of the community. He realizes that in the many-sidedness of modern life man cannot live apart; he must co-operate with those about him for their common good. The existence of the Community Center as described above would serve strongly to accelerate the crystallizing of such feelings. Once a man has acquired the community sense he is in a far better position to appreciate the true content and meaning of the various inter-

relationships of neighboring communities, and so on up until eventually some day, perhaps as in a vision, the whole great panorama unrolls before him, and in all its wonder and beauty he senses "The City."

* * *

Aymar Embury on the Small House.

WE had something to say in the last issue of the GUIDE about the growing popularity, even with people of more than ordinary income, of the small house. In the current number of that excellent magazine, *The Craftsman*, Mr. Aymar Embury, distinguished as a designer of attractive country houses, discusses just this type of house.

Aymar Embury, who has made a special study of small house building, says that though the question of cost comes always between the builder and his desires the final compromise is often something satisfying beyond expectation. When one thing that can perhaps be spared must be given up in favor of something that cannot, of course it is a useless ornamentation that is sacrificed in favor of better material, therefore the result is a structure simpler, more compact, than would have been obtained had the original idea been carried out.

More thought is given to the economy of space and to the kind of material which will be used, the kind that will not have to be renewed every few years. Thus by working within strict limitations better and more artistic results are often obtained. Mr. Embury points out that the cost of houses is broadly determined by three things—size, kind of material and complexity of the plan. Certain things are almost invariably demanded nowadays even in the small houses, such as hardwood floors, tile bathrooms, first-class plumbing, lighting and heating plants. The smaller the house the more watchful and ingenious must be the architect that everything may be obtained

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BELL PHONE, WALNUT 1086

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**BLUE
PRINTS**

of the best quality possible, and so arranged as to afford the utmost possible convenience in the working facilities of the house. Every item must count; there must be no idle walls or waste spaces, no unnecessary ornamentation. Beauty is striven for in the main outlines, the silhouette; and the gingerbread ornamentation that fortunately could not be afforded does not mar the simple elegance of the house.

* * *

The Question of Lighting Fixtures.

OUR new and lusty young contemporary *Realty* thinks not enough attention is given by architects and builders to the subject of lighting fixtures.

There is one thing that architects, builders and people who have houses built for speculation seem to forget, or rather ignore entirely, and that is the lighting fixtures, says *Realty*. Oh yes, they put fixtures in the houses, but only for the same reason that they put in windows. The trouble is, while they usually display some intelligence in locating the windows and determining the number and size of them, so far as the law makes this work mandatory, lighting fixtures seem to be without the pale of the law and are put in just as a matter of course, fearful, perhaps, that the owner could not get a tenant if he omitted such a trifle.

Apparently it makes no difference how large a room may be or how high the ceiling, you will find a common gas pipe stuck through the center of the ceiling just far enough to permit the gas to be lighted without setting fire to the place. Possibly it is a combination fixture—they are quite common these days. In such a case it is the same, with the gas jet sticking off at one angle and the electric bulb at another. These are so high that the average woman has to use a chair or a taper in order to turn on the light. No effort is made to place the fixtures where they will be of the greatest service.

* * *

Fixtures Placed Too High.

IN designing a house much effort is given to economizing on space and arranging every room so as to provide the greatest amount of space and comfort. The aim is to get as much room as possible with the expenditure of the least possible material in order to secure the greatest amount of interest on the investment. Yet, where is the person who builds, unless it be for his own occupancy, who takes any thought of providing sensible lighting fixtures. It need not be a question of cost. The same fixtures commonly used now could be placed more advantageously and dropped

a foot lower so the women of the house could reach them.

Manufacturers of fixtures endeavor to educate the public, but so far have had limited success with architects and builders. There are medium priced fixtures on the market that are pleasing to the eye, and if some effort was made to show how fixtures should be placed to render the greatest amount of light, it would pay not only the manufacturer, but also the landlord, for the tenants would feel more satisfied. They would be getting more light units at a less expenditure of money.

* * *

EDITORIAL NOTES.

The Lehigh Cement Company is putting out the cleverest and most effective cement advertising that has come to our notice within recent years. It is not only good copy, but is most judiciously illustrated and typographically striking.

* * *

Some day the builders will get together and agree to quit guessing. And when that day arrives there will be fewer buildings constructed by the average building firm, but on the other hand, the average firm will make more money. There isn't another business in the country to-day that would tolerate the kind of competition that exists in the building field.

* * *

Merchandise is dumb—until seen; then it speaks louder than words. To bring people into the store to see the merchandise—to speak for the merchandise until it can speak for itself—is the first step in effective advertising.—*Joseph H. Appel*.

* * *

Advertising will sell anything. The day when advertising was limited to certain retail lines has passed. Advertising is used to-day more extensively by the manufacturing producer than ever before in the world's history. And it is producing results in every line.

* * *

Do not worry; eat three square meals a day; say your prayers; be courteous to your creditors; keep your digestion good; exercise; go slow and easy. Maybe there are other things that your special case requires to make you happy, but, my friend, these I reckon will give you a good lift.—*Abraham Lincoln*.

* * *

Join your local exchange, Mr. Builder. If you haven't a local exchange stir around and get your friends interested in organizing one. The Philadelphia Master Builders' Exchange is a power for the advancement of the craft and supplies an excellent model for the town inter-

ested in promoting an organization of the kind.

* * *

"Early to bed and early to rise, hustle like Hell and advertise." A little strong—but what about it, brother?—*Macey Monthly*.

* * *

Luck is just another name for good hard, persistent plugging. Luck is with the merchant who advertises, not because he advertises, but because he keeps on advertising indefinitely—which means success.—*Fits*.

DISTRICTING CITIES.

Twenty-five years ago any one venturing to propose a law by which a property owner would be denied the right to use his property as he saw fit so long as he did not create a nuisance would be called un-American if no worse name. But ideas are changing rapidly. Boston has not only limited the height of buildings, but has fixed different height limits for different districts. New York is now going further, and is preparing to do what every student of the subject must see is the only truly economical and other wise proper thing to do—divide the city into districts and restrict the use which may be made of the property in each district.

The city charter of New York conferred on the Board of Estimate and Apportionment power to district the city for the purpose of regulating the height of buildings, the area of courts and yards, the location of trades and industries and the location of buildings designed for specified uses. The Board appointed a Commission on Building Districts and Restrictions, and this committee on March 10th submitted a report of about 8,000 words in which it presents recommendations as to districting with reference to height and area of buildings and the use to be made of property, residential, business or industrial, in a given district.

The advantages of districting cities seem to be indisputable once the plan is inaugurated, the only individual sufferers being those which are already using their land in a way which is barred by the new restrictions. Real estate will almost invariably bring a higher price when the future development of the surrounding area is definitely fixed than when the owner of the adjoining property may use it for any purpose he sees fit or erect a building as high as he pleases. This applies not only to residences, but to business districts as well. —"Municipal Journal," New York.

WHAT GRANITE IS WORTH.

A cube of Woodbury granite, one hundred feet square, after it is quarried and moved from the ledge, is worth a million dollars. A block of granite this size would build a collection of State Capitols and City Halls and in addition, a lot of banks and office buildings.

THE Allen

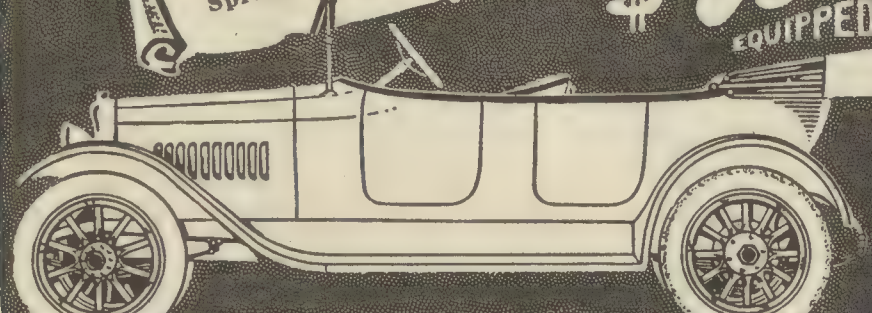
This is the Prosperity Car!

It is rich in every expression of comfort, ease of operation, economy on road or street, great power, and smart appearance. It is a car that gives the impression of \$1500 rather than \$795—and in performance it lives up to its appearance. Send for the **Allen Pocket Autolog** and learn how to choose the best car for your business.

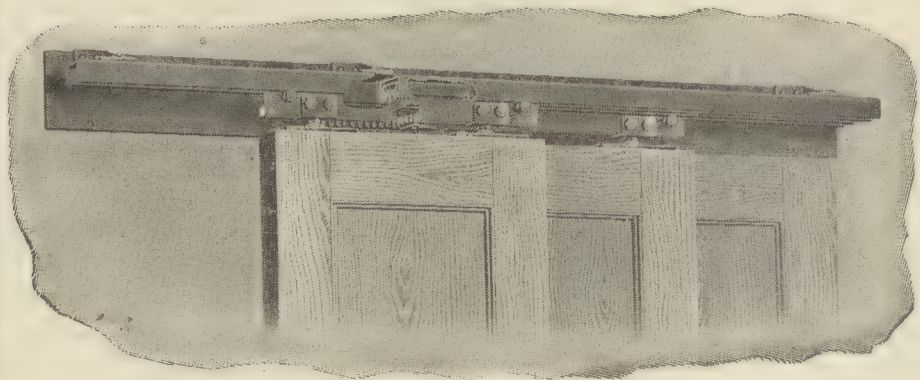
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1634 Chestnut Street
PHILADELPHIA

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\$795
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IDEAL Elevator Hanger



IDEAL in Name and Action
"And Made in U. S. A."

"A Hanger for any door that slides"

Richards-Wilcox Mfg. Company

AURORA, ILL., U. S. A.

PHILADELPHIA OFFICE: 50 North 6th Street

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**With the object of bettering manufacturing and market conditions, brick and other clay products manufacturers in the Raritan River section of New Jersey have recently organized the Monmouth Manufacturing Association. The president of the newly-formed organization is J. A. Fitzinger, of the National Fireproofing Company, Lorillard. G. J. Craigen, of the Craigen Brick Company, Cliffwood, is first vice-president; B. K. Eskesen, of the Matawan Tile Company, second vice-president; C. E. Watrous, of the Munting-Loeb Company, Matawan, secretary, and W. A. Gill, of the Renwreck Company, Keyport, is treasurer.

**Miles W. Beemer, of Jersey City, N. J., has been appointed secretary of the New Jersey Tenement House Commission, to fill the vacancy caused by the recent death of Charles J. Allen. Charles E. Eichels, a clerk in the department, has been appointed assistant secretary.

**Those who postponed building operations in the hope that steel would be lower in price were perhaps well advised, especially if they were not sure of a prompt leasing or selling market. But steel has had a considerable recession already, and the time ought not to be far away, with a continuance of the downward movement, when it will be time for every prospective builder to take action.

**F. G. Schaefer, under the trade name of F. G. Schaefer Iron Works, has established a structural steel shop at Eighteenth street and Hackensack avenue, Weehawken, N. J. The shop consists of a building 40x125 feet on a plot 200x400 feet, with a railroad siding, and within one thousand feet of tidewater. Mr. Schaefer was formerly connected with the Hinkle Iron Company, John J. Radley & Co. and the Riter-Conley Co., of Pittsburgh, Pa.

**Structural steel, which cost 3 cents a pound a month ago, can now be had for 2.50c., and a prominent jobber made the prediction

this week in the writer's hearing that it would be obtainable for 2c. by the 1st of October, for mill shipments, any delivery, or 2.16 New York f. o. b. When this level is reached, he said, he will consider that steel has returned to a normal basis.

**Alsen's American Portland Cement Works announces the acceptance of the resignation of R. S. Sinclair and the appointment of William P. Corbett as first vice-president and J. W. Kittrell as general manager.

**In recent years a very large growth has occurred in the use of gypsum plaster blocks, principally for the construction of partitions in fireproof buildings. The recent convention of the New York State Builders' Supply Association had this fact called to its attention by S. G. Webb, secretary of the Gypsum Industries Association, Inc. Many tests have been conducted by the Underwriters' Laboratories and other institutions which have demonstrated that gypsum block partitions have a very high efficiency in fire resistance, and so their growth in popularity has been rapid, until to-day in the country at large probably sixty times as many gypsum plaster blocks are used as were used only eight years ago.

**Mortimer L. Neinken, of Brooklyn, was awarded the \$100 prize offered by the Barber Asphalt Company, to the student of highway engineering at Columbia University, for his

paper on the comparison and selection of roads and pavements.

**The unusual activity on the part of the city authorities within recent years toward the removal of street encroachments recalls the historical reason for the presence of one of the most common of sidewalk encroachments, namely, the stoop to the private house. This element in construction may be traced back to early Dutch Colonial settlers who brought the idea over from Holland. In that country they were compelled to build their homes with stoops, so that they might be protected during flood times. When they came over to New Amsterdam, they built their new homes on the European plan, not so much on account of the fear of floods, because New York City has yet to be flooded, but simply as a matter of custom.

**Henri Vallet, architect, 192 Main street, New Rochelle, N. Y., has formed a partnership with George J. Fernschild, Jr., under the firm name of Vallet & Fernschild. The office of the firm will be continued at the former location.

**The Portland Cement Association reports that between January 1 and June 1, 1916, contracts for 10,247,465 square yards of Portland cement have been contracted for, to be used for pavements throughout the forty-eight States of the Union.

**The Association of American Portland Cement Manufacturers recently passed an amendment to the constitution changing the name of the organization to the Portland Cement Association. A New York office has been opened in the Architects Building, 101 Park avenue, in charge of Lewis R. Ferguson.

**Edward T. Terry has recently formed the Terry Manufacturing Company, with offices in the Grand Central Terminal Building, New York, to carry on the business of manufacturing cranes, derricks and structural steel, formerly handled by the Terry & Tench Company, Inc. The business of the Terry & Tench Company, with the exception of the above departments, will be conducted as usual.

**Officers and directors of the Plumbing Supply Association of Philadelphia for the ensuing year were elected on June 29th at 505 Arch street, the association headquarters. Those chosen are: J. Harvey Borton, president; Edward S. Thompson, vice-president; Frank H. Shuster, treasurer, and Thomas A. Fernley, secretary.

**Holland is suffering from a serious shortage of timber for building purposes, and the existing supply will be exhausted within a few months unless relief measures are taken, according to the report of an association of employers and workmen in the building industry, which recently met in Amsterdam. The only hope, according to the association, is to secure large quantities of timber owned by Dutchmen which are now tied up in the harbor of Archangel, Russia. This can be done, it is pointed out, only by assuring the Russian Government that the timber will not be sent out of Holland for use in the countries now at war with Russia. It was resolved to urge the Dutch Ministry of Commerce

and Industry to take the necessary steps for releasing the cargoes detained at Archangel. Other cargoes consigned to Holland are tied up in the Russian port of Riga, but under existing conditions there seems to be no hope of their being released.

**Super-glass is the name of a new "made-in-Philadelphia" product designed to help development of the "safety first" movement. After years of experiments abroad and in this country, a Philadelphia inventor has succeeded in producing window glass that will not splinter even if struck a powerful blow by some hard missile. Automobile windshield manufacturers and several railroad companies are investigating the claims of the new invention, which was displayed at the car builders' meeting held recently in Atlantic City. Test orders have been placed with the Super-Glass Company and plans are about complete for enlarging the present plant in Tacony. The Hires-Turner Glass Company, a Philadelphia concern, is distributor.

**Frank L. Shuman is the inventor of super-glass. The new glass is made up of two pieces of polished plate glass, between which is a sheet of celluloid. The glass and celluloid are welded together under high temperature and tremendous pressure, forming a solid sheet. The product possesses unusual resiliency and is so tough that a .22 calibre bullet fired at close range in tests failed to penetrate, while if the glass is struck with a hammer or heavy rock the only result is to mar the polished surface with a series of fine hair lines or cracks and there is no shower of flying glass or splinters. The product is about four times as expensive as ordinary plate glass. Factory officials are reticent as to the actual present output, but an official of the Hires-Turner concern recently stated that an addition to the Tacony plant was soon to be built.

**Charles Amolick, plumbing and heating contractor, 1025 DeKalb avenue, Brooklyn, desires catalogues and samples from jobbers and supply houses.

**Bergen & Lindeman, Inc., contracting

engineers, have recently moved their offices from 30 Church street to 189 Broadway, New York.

**The American Society of Heating and Ventilating Engineers will hold its semi-annual meeting at the Hotel Statler, Detroit, Mich., July 19-21.

**The H. B. Smith Company, Westfield, Mass., manufacturers of boilers, radiators and steam and hot water heating supplies, has recently moved its New York office and showroom to East Thirty-ninth street.

**Peter J. McKeon, consulting engineer on fire-prevention and building regulations, has recently moved his offices to the Astor House Building, 217 Broadway, New York.

**Charles H. Brettler, heating and plumbing contractor, 62 Tompkins avenue, Brooklyn, desires catalogues and samples from manufacturers and jobbers in heating and plumbing supplies.

**The National Electrical Contractors' Association of the United States will hold its annual convention at the Hotel McAlpin, New York, July 18-22. Secretary, G. W. Duffield, 41 Martin Building, Utica, N. Y.

**The Gleason-Tiebout Glass Company, formerly located at 71 West Twenty-third street, has moved to more spacious quarters at 200 Fifth avenue, New York. This firm is the manufacturer of "Celestialite," which permits, it is said, the perfect matching of colors and which is used in many of the new department stores throughout the country.

**P. S. Van Blum, architect, 527 Fifth avenue, New York City, is preparing the plans and will have entire charge of the development at Rosebank, S. I., for the Donald Estate. The project will include the construction of streets, with concrete sidewalks and curbs and the erection of at least ten frame dwellings costing from \$4,000 to \$5,000 each.

**Merritt Harrison, architect, has recently opened offices in the Board of Trade Building, Indianapolis, Ind., and desires catalogues and samples from manufacturers and jobbers interested in the building trades.

CONCERNING PLUMBING FIXTURES

When the home builder contemplates the estimates which the contractor presents to him as the necessary cost of the home which he hopes to build, the plumbing bid is perhaps the greatest mystery. He can understand the carpenter's bill. He thinks he knows a good piece of timber from one full of knots, and he knows something about good workmanship. He may refuse the lowest bid and he knows why he does it. But when it comes to the plumbing, what does the uninitiated know? When estimates differ widely,— "it is a different class of goods," he is told, or, "it requires a more expensive installation." He can only hope that the most expensive is the best.

Plumbing fixtures are manufactured from vastly different materials, with a wide differ-

ence in cost, each with definite qualities, and with definite advantages. There are many especial patents on the valves and peculiarities of the fixtures which add to the cost. The models which are widely used, because of the immense number made from the same pattern, are cheaper,—out of all proportion to the difference of construction,—from models less widely used and not manufactured in such quantities.

When you are selecting plumbing fixtures you are shown "enameled" fixtures at a very moderate cost, then you are shown "porcelain enameled" fixtures at a much higher price. They are better looking, and the fittings are perhaps heavier and better designed and finished. They are better grade fixtures you are told, which accounts for the difference

in price. Then you are shown specially high grade fixtures of "vitreous china" at a still higher price, which are certainly beautiful in their modeling and finish. Any housekeeper knows the difference between enameled ware, porcelain, and china when she is buying dishes, and she buys accordingly. She understands readily why a large platter or covered vegetable dish or fine china is so expensive, while an "enameled ware" dish is not.

"Enameled" fixtures are made of cast iron, the exposed surface is heavily enameled, and the enamel is fired to give as fine a finish as is possible where the surface is not an intrinsic part of the constructive material. The plumber does not consider this a "perfect" material for his goods, so he has devised the "higher grade" fixtures. It is possible, we are told, though an instance has never come to our attention, yet it is possible under unnecessarily hard usage that the enamel finish may be chipped off and the iron underneath allowed to rust. It is also possible that by the use of powerful acids in cleaning the fixtures, that the surface of the enamel may be made rough and so defeat its intended purpose as a highly polished surface which will not hold dirt. If you put your hand under the rim of such a lavatory you will feel the rough surface of the iron. As a matter of fact, even under most severe tests these enameled iron fixtures have proven extremely satisfactory. Each piece generally carries a guarantee, which while it does not repay the cost of resetting, shows that the manufacturer stands ready to back his goods.

When economy is not an especial matter of consideration, the higher grade of fixtures make a beautiful bath room. In a house where fine china and solid silver are always in use for the family service, vitreous china fixtures in the bath room will be in keeping with the rest of the house.

Porcelain enameled fixtures, as the name implies, are made of porcelain like a great dish, and the surface enameled and fired in the kiln, where the enamel and the porcelain combine under the heat.

Vitreous chinaware is made from a finer grade of materials than porcelain, and is heated to a very much higher temperature in the kiln, giving it the vitreous qualities, and also giving it a most remarkable amount of strength. As a test, fixtures of vitreous china, and also of porcelain, have been hammered with metal pipe until the pipe bent without showing the slightest damage to the fixture or to its surface. Such fixtures are necessarily expensive, and, if one can afford them, worth all the money they cost.

The plumbing in a house cannot be entirely satisfactory unless the fittings are first class. The supply and waste pipe should be ample, and of sufficient weight. The design of the valves and fittings are worth looking to carefully. A faucet which soon becomes leaky is very annoying. The mechanism by which the water is kept in the lavatory and the arrangement of the overflow are of especial importance. The most unsanitary thing in the usual bath room is the overflow basin back of the ordinary lavatory, with the open-

ings so small that it is impossible to clean it in any way. A device which is very new arranges for flushing the overflow, by forcing back the stream of water. Some types of the idea waste seem to provide a simpler solution by arranging for the overflow within the pipes themselves and allowing the cylinder which shuts off the water to be entirely removed. The extreme simplicity of this fitting is its greatest merit. There is no plug in the basin to be inadvertently removed at the wrong time, and the unsanitary small openings into the waste basin are entirely omitted. This is a matter to be considered in the selection of fixtures.

The design of the faucet is another important feature. Do you know the satisfaction of a faucet which will not leak? Half a dozen trips of a plumber to fix a leaky faucet would pay for the most expensive type that is made, so a cheap faucet is not an economy.

The many types of closets on the market have gradually been growing simpler in construction and eliminating the defects of the earlier types. The noisy flushing valve, or rather the noise of the refill, has been largely eliminated. In the latest type the tank has been done away with entirely, by the substitution of a larger supply pipe and a new flushing valve, which if desired, may be set out of sight. Some authorities say that an inch supply pipe will give a proper flush, whereas a half-inch supply is used with a tank closet, while other authorities say, "Do not allow yourself to be persuaded to use less than an inch and a quarter supply pipe." This closet is so new to the market that we are not able to find a bath room photograph with this type installed.

The complete bath room has the simplest type of fixtures. The tub is set in a tiled niche and with a shower fixture and curtain makes a complete shower equipment. The fixtures are set in the wall of the cabinet at the end of the tub, so that while the tub is completely tiled in, the fixtures are in an open construction. Cleaning around and behind the tub, and keeping it clean has always been one of the bugbears of the housekeeper. The newer tubs get away from this difficulty in a number of ways. They are made to set directly on the floor, sometimes before the tile floor is laid, some standing eighteen instead of twenty-two inches from the floor.

Tile is a satisfactory material for floors and walls in a bath room. Some non-porous wall surface is necessary where a shower is installed, and a wainscot of such material is certainly desirable. This may be of tile, marble, vitralite or only a hard cement painted in white enamel. The wall above the wainscot may be canvassed and painted or finished with a decoration in oil colors, or it may be finished with some of the glazed papers or wall coverings on the market.

In a certain sense the bath room is the key to the house. Here the homebuilder and his family plan for their own convenience, comfort, and even a moderate luxury, yet knowing that they are adding actual value to their home. If they ever wish to sell a

most important question is, "What kind of plumbing have you installed?"—"Keith's Magazine."

NIGHT REPAIRS BEST.

The happy results obtained through not inconveniencing tenants in making repairs after hours is the subject of an article in a recent issue of "Building Management."

The writer says:

"If there is one thing that the building manager wishes to avoid, particularly in the large office structures where there are a number of tenants, it is the undue, unwarranted or uncalled-for interference with their routine of business. If any annoyance or inconvenience to the tenant, by reason of faulty or negligent service, or for other causes of any nature or description, can be traced back to the jurisdiction of the building manager, his chances for successful operation of the building are materially diminished, and he loses not only the respect of the tenant, but also the confidence of his employer.

"Practically every detail of the mechanical operation of a building can be taken care of after closing hours. The cleaning, inspection and repairing of boilers and engines and all incidentals thereto; also of plumbing, electrical fixtures, steam heat, ventilation and power plants, painting and partitioning, and all matters directly affecting offices can be relegated to the night.

"Repairing elevators is another important consideration. The advantages of after hours work are many. The passenger traffic in the average skyscraper is enormous, and placing even one car out of commission for a day may interfere seriously with service. Cleaning cars at night is invariably an inspection at the same time, and a great many minor defects or breaks may be remedied immediately. There is as a consequence no delay and no necessity for hoisting the 'not running' sign. The posting of this sign is another development which the manager seeks to avoid."

BUILDERS' GUIDE

FORMERLY

The Philadelphia Real Estate Record
and Builders' Guide

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence, Cliveden street and Wissahickon avenue, Philadelphia. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, Upsal street and W. Wissahickon avenue. Brick, 2½ stories, 30x65 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due July 19th. The following are figuring: Stokes Bros., 6723 Musgrave street; Charles Johnson, 5701 Boyer street; I. A. Dunkelberger, 71 E. Herman street; Wm. J. Gruhler & Co., 219 E. High street; F. B. Davis, 240 North Sixteenth street; Joseph H. Maguire, Wayne, Pa.

Residence and Garage, Akron, north of Wakeling street. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, J. A. Edgar, 4641 Penn street, Philadelphia. Brick and plaster, 2½ stories, 27x50 feet, slate roof, hot water heating, oak floors, tile work, electric lighting. Architects have received bids.

Factory Buildings, Third and Poplar streets, Philadelphia. Architect, Wm. C. Furber, 416 Walnut street, Philadelphia. Owners, Espoir Realty Co. (Henry B. Pancoast Co.), 243 S. Third street, Philadelphia. Brick (concrete floors), machine shop, 1 story, 45x125 feet; storehouse, 1 story, 45x75 feet; office building, 2 stories, 44x47 feet, slag roofs, steam heating, electric lighting, re doors. Plans about completed. Architect will take bids in one week.

Storage Building, 20 S. Delaware avenue, Philadelphia, \$20,000. Architect, private plans. Owners, Baugh & Sons, on premises. Brick, 1 story, 172x137 feet, slag roof, electric lighting. Owners are taking bids.

Residence, Chestnut Hill, Philadelphia. Architects, E. J. Holmes & Co. and C. Wharton Churchman, 1525 Locust street, Philadelphia. Owner, Edward Swain, Pennsylvania Building, Philadelphia. Stone, 2½ stories, 28x52 feet, shingle roof, oak floors, tile work, electric lighting (heating reserved). Architects taking bids, due July 24th. The following are figuring: James B. Flounders, 1329 Arch st.; Frank G. Stewart, 1619 Sansom street; Stokes Bros., 6723 Musgrave street; and Alfred James, Bala, Pa.

Store and Warehouse, 136 North Tenth st., Philadelphia. Architects, Milligan & Pierson, 520 Walnut street. Owner, A. H. Mershon, Land Title Building, Philadelphia. Brick, 3 stories, 20x112 feet, slag roof, fire doors, tile work, electric lighting, steam heating. Owner taking bids. Thomas C. Trafford, 1613 Sansom street, is figuring.

Club House (alts.), 1619 and 1621 South street, Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owners, O. V. Catto Lodge No. 20, I. B. P. O. E. W., care Dr. Preston M. Edwards, 3957 Warren street, Philadelphia. Slag roof, metal lath, electric lighting, tile and marble work (heating reserved). Owners taking new bids, due July 18th. Smith-Hardican Co., 1606 Cherry street, is figuring.

Store and Apartments (alts. and add.), southeast corner Sixtieth and Arch streets. Architect, H. E. de Hoff, 48 South Sixty-first street. Owner, C. F. Tinnermann, 51 North Sixtieth street, Philadelphia. Brick, 3 stories, tile work, metal lath, electric lighting (heating, plumbing and roofing reserved). Owner taking bids, due July 19th. In addition to

those previously reported, Smith-Hardican Co., 1606 Cherry street, is figuring.

Department Store (alts.), Eighth, Ninth and Market streets, \$150,000. Architects, Graham-Burnham & Co., Railway Exchange Building, Chicago. Owners, Gimbel Brothers, on premises. Work will consist of interior changes including new fireproof dividing walls and partitions. Plans in progress. Architects will take bids in about two weeks.

Factory (add.), Nineteenth and Allegheny avenue, \$300,000. Architects, Wm. Steele & Sons Co., 1600 Arch street. Owners, Electric Storage Battery Co., on premises. Reinforced concrete and brick, 7 stories, 115x117 feet, slag roof, waterproofing, hollow tile, steel sash, safety treads, metal clad fire doors, elevators. Builders Wm. Steele & Sons Co., 1600 Arch street, taking sub-bids.

Telephone Exchange (alt. and add.), Fifty-fourth and Woodland avenue. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets. Consists of interior alterations, marble and tile work, hollow metal doors, steel sash, fire doors, cement work, reinforced concrete, extension of second floor. Architect taking bids, due July 21st, at 10 A. M. H. H. Burrell, 206 South Quince street; H. E. Baton, Twelfth and Sansom sts.; F. L. Hoover & Sons Co., 1023 Cherry street, Philadelphia, are figuring.

Blower House, Seventh and Lehigh avenue, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Hardwick & Magee, on premises. Brick, 1 story, for air washer. Architects taking bids, due July 20th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; P. Hainbach Sont. Co., Twenty-sixth and Thompson streets; Loos & Dothard, Commercial Trust Building; Pomeroy Const. Co., F. B. Davis, 240 North Sixteenth street; R. C. Ballinger, 218 North Thirteenth street.

Garage, Fifteenth and Courtland streets, Philadelphia. Owners, Strawbridge & Clothier, Eighth and Market streets, Philadelphia. Brick and steel, 1 story, 100x200 feet, slag roof, steam heating, electric lighting, gasoline pumps and storage system. Plans about completed. Architect will take bids in a few days.

Church, Fifty-first and Spruce streets, Philadelphia, \$100,000. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, Chapel of the Mediator, care Geo. W. Jacobs, 1624 Chestnut street, Philadelphia. Stone, 2 stories, 60x160 feet, asbestos roof, steam heating, electric lighting, roof ventilators, waterproofing, oak floors. Architect taking bids, due July 19th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; James H. Wells, Heed Building; H. H. Burrell, 206 South Quince st.; Frank C. Stewart, 1619 Sansom st.; Thomas C. Trafford, 1613 Sansom street; F. E. Wallace, 1220 Chancellor street; Metzger & Fisher, Denckla Building; Thomas Little & Sons, 1713 Moravian street; Abel Bottoms & Sons Co., 3611 Walnut street.

Factory (add.), 307-11 Florist street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Jos. Kopperman & Sons, on premises. Brick, 2 stories, 62x22 feet and 32x12 feet, slag or composition roof, ventilators, concrete work. Architect has received bids.

Garage and Workroom (alt. and add.), Thirty-second and Chestnut street. Architect, private plans. Owners, Drexel Institute, on premises. Slag roof, hot water heating, iron stairs. Owners have received bids.

School (alts. and add.) (Gymnasium), Chestnut Hill, Pa. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owners, Springside School, Chestnut Hill, Philadelphia. Stone, slate roof, wood, concrete and canvas floors, cement work, heating extension. Architects have received bids.

Residence (alt. and add.) and Garage, 3405 Powelton avenue. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Theodore J. Lewis, Morris Building, Philadelphia. Brick and terra cotta, 3 stories; garage, 2 stories, 37x28 feet, slate roofs, tile work, metal lath (heating, plumbing, electric work, gasoline storage system reserved). Architect taking bids, due July 20th. The following are figuring: R. C. Ballinger & Co., 216 North Thirteenth street; A. L. Fetz & Sons, 1220 Chancellor street; H. H. Burrell, 206 South Quince street; Samuel Harting, 20 E. Johnson street; I. A. Dunkelberger, 71 E. Herman street; Havens & Co., 845 North Nineteenth street.

Garage, rear of Ninth and Girard avenue, Philadelphia. Architect, private plans. Owners, Swift & Co., Ninth and Girard avenue, Philadelphia. Brick, steel and corrugated iron, 1 story, 30x36 feet, corrugated iron roof, roof ventilators. Owners taking bids. Hogg Construction Co., 1634 Sansom street, is figuring.

Garage, Atlantic street, west of Nineteenth street. Architect, Newbauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, Emanuel Weil, 211 North Third street, Philadelphia. Brick, 1 story, 108x140 feet, slag roof, electric lighting. Architects taking bids. The following are figuring: Bailey-Lush Co., 201 N. Broad street; Geo. A. Boyd, 5012 Schuyler street; F. A. Havens & Co., 845 North Nineteenth street; F. E. Wallace, 1220 Chancellor street; H. P. Schneider, 3713 Old York road; Lam Building Co., 1001 Wood street; Freund-Siedenbach Co., Bulletin Building, and H. W. Greene, 990 North Marshall street.

Factory, 424 Fairmount avenue, Philadelphia, \$12,000. Architect, private plans. Owners, Wampole & Co., on premises. Brick, fireproof, 3 stories, 23x90 feet, slag roof. Stewart Bros., 2526 North Orkney street, have the contract.

Residence, St. Martins, Philadelphia, \$20,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Edward Clark, 3d, Cherokee and Moreland avenues. Stone, 2½ stories, 84x30 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architects will take bids August 1st.

Residence, St. Martins, Philadelphia, \$15,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Charles P. Fox, 2102 Pine street, Philadelphia. Stone, 2½ stories, 70x32 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects will take bids in one week.

Church (add.), St. Marks street and Woodland avenue. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, St. Monica's P. E. Church, Rev. Richard Bright, 2135 South Fifty-eighth street, Phila-

delphia. Consists of an additional story, stone, 60x40 feet, slag roof, steam heating, electric lighting. Plans in progress. Architects will take bids in two weeks.

Service Building 1320 to 1324 Wood street, Philadelphia. Architect, Albert Kahn, Detroit, Mich. Owners, Packard Motor Car Co., 317 North Broad street, Philadelphia. Brick, terra cotta, concrete and steel, fireproof, 8 stories, 49x69 feet, slag roof, steam heating, electric lighting, metal sash, elevator. Plans in progress.

Arsenal Buildings, Frankford, Philadelphia. Architect, private plans. Owners, U. S. Government, Lieutenant Geo. Montgomery, Frankford Arsenal, Philadelphia. Consists of 3 brick, concrete and hollow tile buildings, 2 tunnels; garage, 1 story, 115x52 feet; storehouse, 2 stories, 126x54 feet; shop building, 3 stories, 115x49 feet, wing 34x46 feet, tunnel 43x8 feet, tunnel 49x12 feet, slate and cement tile roof, waterproofing, steel sash, roof ventilators, kalamein doors, elevator, safety treads. Owners taking bids, due August 1st, at 2 P. M. In addition to those previously reported, P. J. Hurley, 1233 Cherry street; F. W. Van Loon, Denekla Building, and James Connor, 1317 Arch street, are figuring.

Office Building, Thirty-third and Arch sts., Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, E. H. Harris, 2300 Chestnut street, Philadelphia. Lessees, Adams Express Company, Seventeenth and Market streets. Brick, concrete and steel, 6 stories, 200x92 feet. Plans in progress. Too early for details.

Store (alt. and add.), southeast corner Sixtieth and Arch streets, Philadelphia. Architect, private plans. Owner, C. F. Tinnerman,

51 North Sixtieth street, Philadelphia. Brick, 2 stories, consists of interior and exterior alterations. Owner atking bids. J. P. Fallon, 449 South Sixtieth street, and J. D. Fisher, 5713 Market street, are figuring.

Fraternity House, 211 South Thirty-seventh street, Philadelphia. Architects, Schouringer, Hindenach & Wenner, 631 Olney avenue. Owners, Theta Chi Fraternity, 3459 Walnut street, Philadelphia. Brick, stone and terra cotta trimmings, 4 stories, 25x90 feet, slate and tin roof, steam heating, electric lighting, tile work, oak floors. Architects have received bids.

Storage Building, Morris street wharf, Philadelphia, \$20,000. Architect, private plans. Owners, Baugh & Sons Co., 20 South Delaware avenue, Philadelphia. Brick and steel, 1 story, 137x172 feet. Owners taking bids. Graham-Campion Co., Heed Building, are figuring.

Church (alt. to Dance Hall), northeast corner of Franklin and Columbia avenue. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Keel & Abel, 1635 North Marshall street. Consists of interior alterations, hot water heating, maple flooring, electric lighting, marble stairways, electric clock tower, 6 feet in diameter. Plans completed. Architect ready for bids.

Church, Tenth street and Northeast Boulevard, Philadelphia. Architects, Ralph B. Beneker and Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, First Christian Church, Rev. Irving S. Chenoweth, 1418 Euclid street, Philadelphia. Stone, 1 story, 124x54 feet, slate roof, steam heating, electric lighting, metal lath, maple floors, waterproofing. Revised plans in progress.

Owners, Orthodox Street M. E. Church, Rev. J. T. Swindells, 2236 Orthodox street, Philadelphia. Stone, 1 and 2 stories, 99x68 feet, slate roof, steam heating. Contract awarded to George Bond, Thirteenth street and Sixty-sixth avenue, Oak Lane, Philadelphia.

Theatre (alts.), Market street, near Fifty-ninth street, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, the Coliseum Theatre, on premises. Consists of new maruec and interior alterations, metal lath, steam heating, marble work, waterproofing. Contract awarded to Ketcham & McQuade, 1029 Brown street.

Store Building, 1830-32 Market street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Agents for owner, Mastbaum Bros. & Fleischer, 1424 South Penn Square, Philadelphia. Brick and terra cotta, 2 stories, 40x176 feet, slag roof, gum wood floors, metal lath, fire doors, roof ventilators, metal frames, kalamein doors, dampproofing (heating, plumbing and electric work separate bids). Contract awarded to Stacy Reeves & Sons Co., 2011 Market street.

Department Store (alts.), Eighth and Market streets, \$2,500. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owners, Strawbridge & Clothier, on premises. Consists of new metal sash, iron shutters and skylights. Contract awarded to Stacy Reeves & Sons, 2011 Market street.

GYPSUM TILE ROOFS.

Not long ago the New York "Record and Guide" showed a building roofed with cement tile. In a recent number was shown a picture of a gypsum tiled roof. The picture shows the roof of the gymnasium of the Y. M. C. A. at Racine, Wis. The remarkable feature about this picture is that it shows the gypsum tile laid on "I" iron purlins, spaced thirty inches on center. The excellent light diffusing power of this type of roof may be imagined when it is stated that the picture was taken without flash or artificial lighting of any kind.

The manufacturers of this type of roof state that gypsum tile can be laid on any roof regardless of its slope. They have been installed on a variety of buildings using many kinds of roof coverings. The weight of this form of roofing is about thirteen pounds to the foot. Owners and architects who have specified this type of roofing say that it is non-condensing, non-corroding, fire resistive, light in weight, per mts of rapid erection and at low cost.

If you've got a specialty that will commend itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pippin that there is either something better on the market or your specialty isn't worth a kopeck noway.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory Buildings, 216-18 South Third st., Philadelphia, \$14,000. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Pestcoe Bros. & Co., on premises. Brick, 4 stories, asphalt roof, steam heating, electric lighting, fire tower, stel sash, fire doors, electric elevator. Contract awarded to A. Shestack, 528 Reed street, Philadelphia.

Factory and Warehouse (alt. and add.), 218-220 Race street. Architect, private plans. Owner, Rushtom Marot, 212 Race street, Philadelphia. Brick, 4 stories, 26x104 feet, slag roof, reinforced concrete floors, metal sash, re doors, freight elevator (heating and electric work reserved). Contract awarded to W. Beaumont, St. Girard Building, Philadelphia.

Store and Loft Building, 1611 to 1615 Vine street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Clarence L. Marks, 6801 N. Twelfth street, Philadelphia. Reinforced concrete and brick, 3 stories, 54x125 feet, slag roof, steam heating, electric lighting, maple floors, tile work, metal lath, roof ventilators, fire doors, safety treads, steel sash. Contract awarded to McCloskey & Bahls, Hale Building, Philadelphia.

Residence (alts.), School lane and Wissahickon avenue. Architect, Addison H. Savery, St. Girard Building, Philadelphia. Owner, Frederick H. Strawbridge, on premises. Includes new terraces, porches, stone walls, etc., promenade tile floors. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

Church, Sixty-third and Malvern streets, Philadelphia. Architects, Sheen & Gill, 450

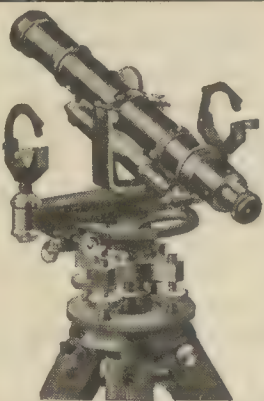
North Wilton street, Philadelphia. Owners, Overbrook Baptist Church, Rev. David K. Wood, 1618 North Robinson street, Philadelphia. Stone, 1 story, 32x50 feet, slag roof, steam heating, electric lighting, roof ventilators. Contract awarded to Thos. C. Trafford, 1613 Sansom street.

Bank and Office Building, corner Thirteenth and Market streets, Philadelphia. Architect, Alfred C. Bosson, 366 Fifth avenue, New York City. Owners, Colonial Trust Co., on premises. Brick, stone, terra cotta, concrete and steel, 13 stories, 342x100 feet, slag, tile, asbestos and asphalt roof, steam heating, electric lighting, metal lath, safety treads, tile and marble work, metal sash, kalamein doors, (3) electric elevators. Contract awarded to Warren, Moore & Co., Commercial Trust Building.

Power House, American and Somerset sts., Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Haffleigh & Co., on premises. Reinforced concrete and brick, 1 story, 45x70 feet, slag roof, concrete floors, ventilators, metal sash, fire doors. Contract awarded to Harry Brocklehurst, 512 W. Norris street.

Store Building, 1226 Race street, Philadelphia. Architects, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, name withheld. Brick, terra cotta, 2 stories, 20x100 feet, slag roof roof, steam heating, electric lighting, ile work, metal lath. Contract awarded to D. Henwood, 1509 Wood street, Philadelphia.

Church and Sunday School, Orthodox street and Torresdale avenue. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia.



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PENNSYLVANIA Construction News

Residence, Reading, Pa., \$30,000. Architect, Wayne M. High, 11 North Fifth street, Reading, Pa. Owner, Max Luria, Reading, Pa. Hollow tile or brick, 3 stories, 60x65 feet, tile roof (heating not decided), combination lighting, tile and hardwood floors, waterproofing and dampproofing, vacuum system. Plans in progress.

Parish House, Harrisburg, Pa. Architect, A. A. Ritcher, Reading, Pa. Owners, Thirteenth Street M. E. Church, care of Al. K. Thomas, chairman, Harrisburg, Pa. Brick, 2½ stories, 32x53 feet, composition roofing, steam heat, electric lighting, maple floors, waterproofing and dampproofing. Plans in progress.

Residence, Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Clarence L. Weimer, Lebanon, Pa. Brick and hollow tile, 2½ stories, 77x53 feet, asbestos roof, steam vapor heating, electric lighting, hardwood and tile floors. Architect taking bids, due July 20th. Beard Const. Co., Reading, Pa.; Wm. H. Fleck, Lancaster, Pa., and J. H. Greiner and Harry Buffamoyer, both of Lebanon, Pa., are figuring.

School, Kutztown, Pa., \$40,000. Architect, Edw. Z. Scholl, 31 North Sixth street, Philadelphia. Owners, Board of Education, Kutztown, Pa. Brick and stone, 3 stories, 106x68 feet, slag roof, hot air heating, electric lighting, cement floors, kalamein doors, waterproofing and dampproofing. Revised plans in progress.

Factory, Richland, Pa., \$15,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Curtis & Jones, care of Richland Enterprise Manufacturing Co., Richland. Brick, 2½ stories, 41x121 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, fire doors, waterproofing, dampproofing, sprinkler system. Revised plans in progress.

Club House, Lebanon, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, B. P. of E., No. 631, H. G. Louser, chairman, Lebanon, Pa. Brick, stone and steel, 2½ stories, 50x125 feet, composition roof, steam heating, electric lighting, tile and hardwood floors, waterproofing. Architect will take sub-bids on all lines.

Club House, Reading, Pa., \$17,000. Architect, Calvin J. Young, 520 Washington street, Reading. Owners, Washington Firemen's Relief Association, Reading. Brick, 2 stories, 110x40 feet, slag roof, steam heat, electric lighting, hardwood floors, waterproofing. Ready for bids in one week.

Office Building (alt. and add.), Coatesville, Pa. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owners, Lukens Iron and Steel Co., Coatesville, Pa. Stone, cement and brick, 3½ stories, 65x27 feet, slate roof, (heating and lighting reserved), reinforced

concrete floors, metal lath, cement floors, waterproofing, tile work, iron stairs. Architects taking bids, due July 21st. The following are figuring: W. J. Elliott, Coatesville, Pa.; Jacob Myers & Sons Co., Witherspoon Building; Wm. R. Dougherty, 1610 Sansom street, and Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Residence, Whitemarsh, Pa. Architect, Louis Rush, 130 South Fifteenth street, Philadelphia. Owner, Mrs. John J. Henry, Cherokee and Moreland streets, Chestnut Hill, Pa. Stone, 2½ stories, 50x130 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Architect ready for bids.

Theatre, Stores and Apartments, Allentown, Pa., \$35,000. Architect, David Levy, 4940 Parkside avenue, Philadelphia. Owner's name withheld. Brick, terra cotta and hollow tile, 2 stories, 60x230 feet, slag and slate roof, steam heating, electric lighting, metal lath. Architect taking sub-bids.

Store and Apartments, Allentown, Pa., \$8,000. Architect, David Levy, 4940 Parkside avenue, Philadelphia. Owner's name withheld. Brick and hollow tile, 2 stories, 40x60 feet, slag roof, steam heating, electric lighting. Plans in progress.

Warehouse, York, Pa., \$15,000. Architect, Edward Leber, York, Pa. Owners, Edison Light and Power Co., Louis Mayer, chief engineer, York, Pa. Reinforced concrete, brick, terra cotta trimmings, 2 stories, 32x120 feet, composition roof (heating reserved), electric lighting reinforced concrete floors, waterproofing and dampproofing, fire doors, metal sash, elevator. Plans in progress.

School (add.), near Collegeville, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Board of Education of Lower Providence Township, Frank S. Brant, president, Trooper, Pa. Brick, hollow tile and stucco, 2 stories, 57x88 feet, slate and slag or asbestos shingle roof, metal lath (heating, plumbing and electric work separate bids). Owners taking bids, due July 20th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; Alex. Chambley, 243 South Tenth street, Philadelphia; George Cross, Eaglesville, Pa.; Jacob L. Buckwalter, Collegeville, Pa.; Charles S. Whitman, Schwenksville, Pa.; George J. Hallman, Phoenixville, Pa.; Wm. H. Wiand, Pottstown, Pa.; F. H. Keiser & Co., Pottstown, Pa.; E. S. Poley, Trappe, Pa., and Frank R. Heavner, H. M. Alderfer, Wm. Shoffner, H. M. Jury and Beecher Bros., all of Norristown, Pa.

School (alt. and add.), Trooper, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Board of Education of Lower Providence Township, Frank S. Brant, president, Trooper, Pa. Stone, brick and hollow tile, 2 stories, 82x63 feet, slag roof (heating, plumbing and electric work separate

bids). Owners taking bids, due July 20th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; Alexander Chambley, 243 South Tenth street, Philadelphia; George Cross, Eaglesville, Pa.; Jacob L. Buckwalter, Collegeville, Pa.; Charles S. Whitman, Schwenksville, Pa.; George J. Hallman, Phoenixville, Pa.; William H. Wiand, Pottstown, Pa.; F. H. Keiser & Co., Pottstown, Pa.; E. S. Poley, Trappe, Pa.; Frank R. Heavner, H. M. Alderfer, William Shoffner, H. M. Jury, and Beecher Bros., all of Norristown, Pa.

Residence, Lansdowne, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Henry S. Barker, Lansdowne, Pa. Hollow tile and plaster, 2 stories, 25x44 feet (heating, plumbing and electric work reserved). Architects taking bids, due July 21st. The following are figuring: Arthur V. Turner, 6328 Camac street; Specht & Sperry, Heed Building, Philadelphia, and W. Harry Roberts, Ardmore, Pa., and J. Howard Roberts, Charles T. Moore and Lansdowne Construction Co., all of Lansdowne, Pa.

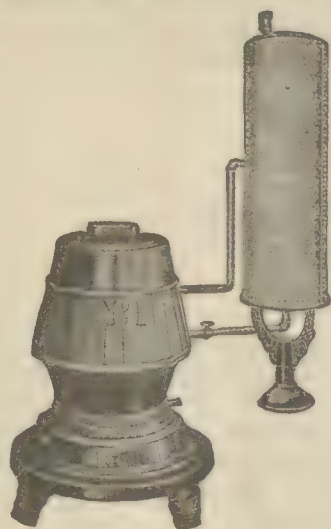
Schools (2), Chester, Pa., \$200,000. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Geo. Mitchell, chairman, Chester, Pa. Brick, stone trimmings, 3 stories, slag roofs, mechanical heating system, metal lath, ventilators, electric lighting. Plans about completed. Owners will take bids in a week or two.

Residences (3), Rydal, Pa. Architects, McIlvain & Roberts, Land Title Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 68x25 feet and 54x23 feet and 54x20 feet, shingle and slag roofs, electric lighting, oak floors, tile work (heating reserved). Architects taking bids, due July 24th. The following are figuring: James B. Flounders, 1329 Arch street; Specht & Sperry, Heed Building; F. B. Davis, 240 North Sixteenth street; I. A. Dunkelberg, 71 East Herman street; George Dobbins, Germantown avenue and Graver's lane, Philadelphia; Frank E. Heston, Churchville, Pa.; E. D. Lever, Abington, Pa.; W. John Stevens, Wyncote, Pa.

Paper Mill, Chester, Pa. Engineer, George F. Hardy, 309 Broadway, New York City. Owners, Chester Paper Co., Chester, Pa. Brick, concrete and steel, 1 story. Beater building, 257x445 feet; machine room, 179x46 feet, and wharf, Carey's roof, waterproofing, wire cloth, steel sash (heating and electric work reserved). Owners taking bids, due as soon as possible. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; Roydhouse-Arey Co., Fidelity Building; George & Borst, 277 South Eleventh street; Latta & Roberts, Drexel Building, Philadelphia; Wm. Provost, Jr., Chester, Pa.; Robert Cummings, 221 Fourth avenue, Pittsburgh, Pa.; Snare & Triest Co., Woolworth Building, New York City; John W. Ferguson Co., Paterson, N. J.

Administration and Service Building, Darby and Eagle roads. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Haverford Township Commissioners, Dr. H. B. Morse, secretary, Llanerch, Pa. Stone and terra cotta. Administration building, 2 stories, 46x76 feet; service building, 2 stories, 54x46 feet, slate roof, steam heating, electric lighting, waterproofing, tile work, iron stairs, roof ventilators, proposal bond. Lowest bidders, W. W. Anstine & Co., 1218 Filbert street, Philadelphia, \$25,500.

Residence (alts. and add.), Haverford, Pa. Architects, Furness Evans & Co., Provident Building, Philadelphia. Owner, Mrs. Alexander J. Cassatt, Haverford, Pa. Stone and frame, 2½ stories, slate roof, oak floors, tile work, expanded metal (plumbing, heating and electric work reserved). Architects taking bids, due July 19th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; Wm. R. Dougherty, 1610 Sansom



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street, Philadelphia; F. H. Mahan, Ardmore, Pa.; M. N. Croll, Ardmore, Pa.

Store, Residence and Apartment, Bethlehem, Pa., \$12,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owner, H. F. Hest, Bethlehem, Pa. Hollow tile, brick and stucco, 2½ stories, 40x73 feet, slate roof, hot water heating, electric lighting, tile, composition and hardwood floors, waterproofing. Ready for bids in a few days.

Club House (alt. and add.), 35 South Fifth street, Easton, Pa. Architect, J. J. Weitzenfeld, Easton, Pa. Owners, Jacksonian Association, Charles Schwann, chairman, Easton. Brick, 1 story, 30x82 feet, slag roof, vapor heating, electric lighting, composition and marbled floors, fire doors, freight elevator. Architect has received bids.

Residence, Easton, Pa. Architect, J. J. Weitzenfeld, Easton, Pa. Owner, Frank Lavalva, Easton, Pa. Brick, 2½ stories, 16x40 feet, slate roof, hot air heating, electric lighting. Plans in progress.

Twin Residences (2), South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Citizen's Realty Co., Wm. Scott, Bethlehem, Pa. Brick and stucco, 2 stories, 37x39 feet, shingle roof, hot air heating, electric lighting, hardwood floors. Plans in progress. Architect ready for bids in a few days.

Twin Residence, South Bethlehem, Pa., \$8,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, L. D. Ritter, South Bethlehem, Pa. Brick, 2½ stories, 36x52 feet, slate roof, hot water heating, electric lighting, hardwood floors. Ready for bids.

Bungalow, Allentown, Pa., \$6,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Rev. H. C. Lilly, Allentown, Pa. Brick and stucco, 1½ stories, 30x32 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Ready for bids.

Parochial School, Northampton, Pa., \$20,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, St. Mary's R. C. Church, Rev. B. Sommer, Northampton. Brick, 3 stories, 72x68 feet, slag roof, steam heating, electric lighting. Ready for bids in one week.

Factory, Catasauqua, Pa., \$4,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owners, The Lehigh Thermometer Co., Catasauqua, Pa. Hol-

low tile and stucco, 2½ stories, 25x33 feet, slate roof, steam heating, electric lighting. Architect will take bids in one week.

Silk Mill (add.) to Mill No. 2, Northampton, Pa., \$6,000. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owner, John H. Meyer Silk Mills Co., Fourth avenue and Seventeenth street, New York City. Brick, 1½ stories, 50x115 feet, slate roof (steam heat, electric lighting and sprinkler system reserved, steel sash, fire doors, ventilators. Architects taking bids, due July 26th. Jacob Nagle and W. H. Gange-were & Co., Allentown, Pa., are figuring.

Boarding House, Bloomsburg, N. J., \$3,500. Architects, Jacoby & Weishample, Commonwealth Building, Allentown, Pa. Owners, John H. Meyer Silk Mills Co., Fourth avenue and Seventeenth street, New York City. Frame, 2½ stories, 30x36 feet, slate and shingle roof (steam heating reserved), electric lighting. Architects ready for bids.

Garage, Bethlehem, Pa. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owner's name withheld. Brick, 1½ stories, 22x24 feet, slate roof, hot water heating, electric lighting, concrete floors. Ready for bids.

Club House (alt. and add.), Cynwyd, Pa., \$10,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owners, the Cynwyd Club, Cynwyd, Pa. Hollow tile, frame and plaster, 2 stories, shingle roof, steam heating, electric lighting, metal lockers. Plans in progress. Architect will take bids in about two weeks.

Residence and Garage, Wynnewood, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Kennard G. Keen, 1326 Walnut street, Philadelphia. Stone, 2½ stories, 45x54 feet, shingle roof, hot water heating, electric lighting, metal lath, tile work, oak floors. Architect taking bids, due July 24th. The following are figuring: James H. Wells, Heed Building; Milton W. Young, Overbrook, Philadelphia; E. J. Hedden, Finance Building; John E. Kearney, 327 North Sixty-third street; Alfred James, Bala, Pa.; Frank H. Mahan, Ardmore, Pa.

High School, Nesquehoning, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Mauch Chunk Township School District, Nesquehoning, Pa. Brick, stone and

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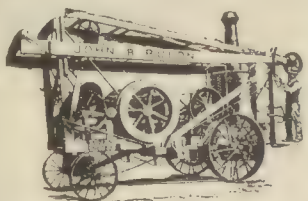
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terra cotta, 2 stories, 82x154 feet, asbestos roof, metal lath, safety treads, concrete and hollow tile floors, dumb waiters, roof ventilat-

ors, kalamein doors (heating, plumbing and electric work separate bids). Owners taking revised bids, due July 24th.

PENNSYLVANIA

Contracts Awarded

Warehouse, corner Dewberry and Strawberry streets, Harrisburg, \$40,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Dives, Pomeroy & Stewart, Harrisburg, Pa. Reinforced concrete, brick and steel, 5 stories, 53x111 feet, composition roof, steam heating, electric lighting, concrete floors, metal sash and doors, dampproofing, elevator, sprinkler system. Contract awarded to Joseph W. Pomarany, 1918 North Second street, Harrisburg, Pa.

Residence, Sewickley, Pa. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owners, George E. McCague, Farmers' Bank Building, Pittsburgh, Pa. Hollow tile and plaster, 2½ stories, 30x50 feet; wing 20x30 feet; shingle roof, hardwood floors, tile work (heating, plumbing and electric work separate bids). Contract awarded to D. L. Swearingen, Sewickley, Pa.

Residence (alts.), Wynnewood, Pa., \$4,000. Architects, Tilden & Register, 1713 Sansom street, Philadelphia. Owner, Mrs. H. Bartol Brazier, Wynnewood, Pa. Shingle roof, hot water heating, electric lighting, tile work. Contract awarded to Elfret & Co., 1708 Sansom street, Philadelphia.

Residences (18), Yeadon, Pa. Architects, J. Fletcher Street, Joseph N. Hettel, George S. Idell and Frederick J. Wurster. Owner Theodore C. Presser, 1712 Chestnut street. Agent, J. C. Fuller, 10 South Eighteenth street, Philadelphia. Brick, hollow tile and plaster, 2½ stories each, shingle roof and slate roof, pine floors, tile work, electric lighting (heating reserved). Contract awarded to Jacob Myers & Sons, Witherspoon Building.

Residences (52), South Bethlehem, Pa., \$200,000. Architect, private plans. Owners, Lehigh Coke Company, South Bethlehem, Pa. Brick, 2 stories, 15x45 feet each, slag roofs, electric lighting (heating reserved). Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Residence and Garage, Ardmore, Pa. Ar-

chitect, John L. Coneys, Drexel Building, Philadelphia. Owner, E. S. Rogers, Ardmore, Pa. Stone, hollow tile and plaster, 2½ stories, 40x35 feet, shingle or tile roof, vapor heating, electric lighting, hardwood floors, tile work. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

Locker House, Jenkintown, Pa. Architect, O. R. Parry, 1631 Chestnut street, Philadelphia. Owners, Old York Road Country Club, Jenkintown, Pa. Stone and plaster, 2 stories, 72x38 feet, shingle roof, electric lighting, metal lath, tile and marble work (lockers and heating reserved). Contract awarded to Thos. C. Trafford, 1613 Sansom street.

Bridge, Schuylkill Railroad west of Tuscarora on S. V. Branch. Architect, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Concrete and steel. Contract awarded to D. J. Rodgers, 715 Front street, Danville, Pa.

Bungalow, Bethlehem, Pa., \$4,200. Architect, A. W. Leh, South Bethlehem, Pa. Owner, J. S. Long, Bethlehem, Pa. Frame and shingle, 1½ stories, 22x34 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Contract awarded to W. S. Stein Bros., Allentown, Pa.

Church, Sunday School and Parsonage, Palmerton, Pa., \$22,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Trinity United Evangelical Church, Rev. D. R. Hart, Reading, Pa. Brick and stone, 1½ and 2½ stories, 80x100 feet, slate roof, vapor heating, electric lighting, waterproofing, maple floors. Contract awarded to J. A. Nagle, Allentown, Pa.

Residence (alt. and add.), Bryn Mawr, Pa. Architect, John Irwin Bright, 1701 Chestnut street, Philadelphia. Owner, F. King Wainwright, Bryn Mawr, Pa. Stone, hollow tile and plaster, 2 stories, shingle roof, oak floors, metal lath (heating, plumbing, electric work reserved). Contract awarded to Alfred James, Pala, Pa.

NEW JERSEY

Construction News

School, Vineland, N. J. Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owners, Landis Township School Board, care W. S. Mitchell, Vineland. Brick, 2 stories, 57x40 feet, slag roof, iron stairs, concrete floors, roof ventilators (heating, plumbing and

electric work separate bids). Owners taking bids, due July 21st at noon. Chas. M. Schaible, James Pasquale, Walter L. Foulk, Frederick H. Williams, Arthur Brown, Gus Charlson, George Thornton and Charles Savidge, all of Vineland, N. J., are figuring.

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Heights M. E. Church, care F. D. Plaft, chairman. Stone, 1 story, slate roof, steam heating, electric light. Contract awarded to H. E. Goff, Haddon Heights, N. J.

Passenger Station, Pine Valley, N. J. Architect, S. T. Wagner, Reading Terminal, Phila-

Residence, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Charles Allon, Moorestown, N. J. Hollow tile and plaster, 2½ stories, 60x100 feet, hot water heating, electric lighting, hardwood floors, tile work. Plans completed. Architect will take bids in a few days.

School (alts.), Vineland, N. J. Architect, Paul A. Davis, 3d, 1713 Sansom street, Philadelphia. Owners, Landis Township School Board, care W. S. Mitchell, Vineland. Brick, 2 stories, tin roof, hollow tile partitions, concrete floors, iron stairs (heating separate bids). Owners taking bids, due July 21st at noon. The following are figuring: Chas. M. Schaible, James Pasquale, Walter L. Foulk, Frederick H. Williams, Arthur Brown, Gus. Charlson, George Thornton and Charles Savidge, all of Vineland, N. J.

Garage, West Hanover street, Trenton, N. J. Architect, Wm. P. Endebrock, American Mechanics Building, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Brick and steel, 2 stories, 60x88 feet, slate roof, steam heating, electric lighting, reinforced concrete, dampproofing, metal sash, fire doors. Plans in progress.

Electrical Bureau Building, West Hanover street, Trenton. Architect, Wm. P. Endebrock, American Mechanics Building, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Brick and steel, 2 stories, 64x40 feet, slate roof, metal sash, steam heating, metal doors, electric lighting, reinforced concrete floors, dampproofing. Plans in progress. Owners will advertise for bids in one week.

Church and Sunday School, Greenwood avenue, Trenton, N. J., \$25,000. Architect, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owners, Gethsemane Baptist Church, Rev. C. P. Newton, 214 Garfield street, Trenton, N. J. Brick, 1 story and balcony, 62x34 feet, slate roof, steam heating, electric lighting, maple floors. Ready for bids.

Bungalow, Merchantville, N. J., \$4,000. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Mrs. E. L. Volk, Mer-

chantville, N. J. Frame and stucco, 1½ stories, 28x60 feet, asbestos or shingle roof, steam heating, electric lighting, tile floors. Ready for bids in one week.

Residence, Ventnor, N. J. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, W. L. Porch, Atlantic City, N. J. Frame, 3 stories, 118x56 feet, slate roof, hot water heating, electric lighting, hardwood and tile floors. Plans in progress.

Residences (3), Plaza Place, Atlantic City, N. J., \$18,000. Architect, Seward G. Dobbins, 16 South Tennessee avenue, Atlantic City. Owners, Plaza Land Co., Atlantic City, N. J. Frame and stucco, 2½ stories, 26x38 feet, slag roof, hot air heating, electric lighting, tile and hardwood floors, waterproofing and dampproofing. Plans in progress.

Apartment (alt. and add.), 18 South Virginia avenue, Atlantic City, \$4,000. Architect, Seward G. Dobbins, 16 South Tennessee avenue, Atlantic City, N. J. Owner, Seward G. Dobbins, 16 South Tennessee avenue, Atlantic City, N. J. Frame, 3 stories, 20x75 feet, slag roof, hot water heating, electric lighting, tile floors (plumbing and heating reserved). Architect taking bids, due July 22nd. Harry G. Seull, Charles S. Corson and E. Ellsworth Smith, all of Atlantic City, N. J., are figuring.

Sunday School, Camden, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Parkside M. E. Church, Camden, N. J. Brick and stone, 2 stories, 56x50 feet and 15x22 feet, slate roof, steam heating, electric lighting. Architect taking bids. Thomas C. Trafford, 1613 Sansom street, Philadelphia, is figuring.

Schools (3), completion, Barrington, Lawnside and Highland Park, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Center Township School Board, E. A. Graeff, Magnolia, N. J. Brick, 2 stories. Consists of the completion of the interiors. Owners taking bids, due August 1st. Plans may be obtained from architect on deposit of \$15.00.

NEW JERSEY

Contracts Awarded

Store, 147 E. Hanover street, Trenton, N. J. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, James Fitzcharles, 66 North Clinton avenue, Trenton, N. J. Brick, 4 stories, 25x73 feet, slag roof, steam heating, electric lighting. Contract awarded to James H. Morris, Trenton, N. J.

Bungalow, South Board street, Trenton, N. J., \$2,100. Architect, private plans. Owner, Roland Billingham, Trenton, N. J. Brick, 1½ stories, 28x35 feet, slate roof, hot water heating, electric lighting. Contract awarded to

Fred Ahrendt, 1219 South Board street, Trenton.

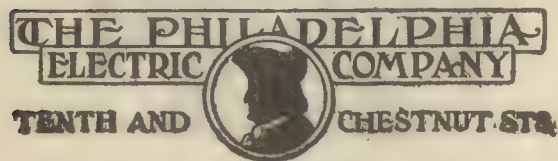
Residence, Chestnut avenue, Trenton, N. J., \$3,000. Architect, private plans. Owner, Carl A. Wagner, Trenton, N. J. Brick, 2½ stories, 16x30 feet, slate and tin roof, hot air heating, gas lighting. Contract awarded to Stephen Dickneit, 440 W. Hanover street, Trenton, N. J.

Sunday School Building, Haddon Heights, N. J. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Haddon

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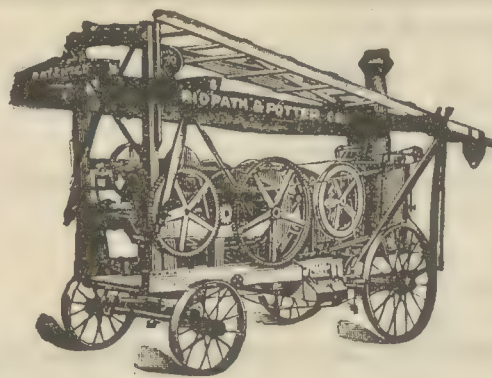
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Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal. Brick and stucco, 1½ stories, 32x18 feet and 18x32 feet, slate roof, yellow pine floors. Contract awarded to Jos. B. Rowen, Moorestown, N. J.

Residence, Delancey Place and beach, Atlantic City, \$18,000. Architect, Seward G. Dobbins, Atlantic City, N. J. Owner, Mrs. Emily C. Califf, Atlantic City. Hollow tile and stucco, 3 stories, 32x52 feet, slate roof, hot water heating, electric lighting, tile, composition and hardwood floors, waterproofing and dampproofing. Contract awarded to Ellsworth, Atlantic City, N. J.

Residence, 108 North Chelsea avenue, At-

lantic City, \$5,000. Architect, Seward G. Dobbins, 16 South Tennessee avenue, Atlantic City. Owner, Nicholas Hewitt, Atlantic City, N. J. Brick and frame, 2½ stories, 26x38 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Contract awarded to Harry G. Scull, Atlantic City, N. J.

Office Building, 216 Federal street, Camden, N. J. Architect, William C. Prichett, 416 Walnut street, Philadelphia. Owners, Camden Safe Deposit and Trust Co., 224 Federal street, Camden. Brick, 2 stories, 28x60 feet, slag roof, steam heating, electric lighting. Contract awarded to William Wrifford, 525 Market street, Camden, N. J.

Miscellaneous Construction News

Residence, Frederick, Md., \$15,000. Architect, Edward Leber, York, Pa. Owner, Hon. Jacob Rohrbaek, Frederick, Md. Brick, 2½ stories, 51x60 feet, tile roof, vapor heating, electric lighting, hardwood and tile floors. Plans in progress.

Department Store, Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner, name withheld. Brick and steel, 4 stories, 85x140 feet, slag roof, steam heating, electric lighting, waterproofing. Plans in progress.

Residence, Singlerly, Md. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner, name withheld. Stone, 2 stories, 40x70 feet, slate roof, steam heating, electric lighting, tile and hardwood floors, dampproofing. Plans in progress.

Bakery, Fourth and Union streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Delmarvia Baking Co., Wilmington, Del. Brick and steel and terra cotta, 2 stories, 30x80 feet, slag roof, steam heating, combination lighting, elevator, steel stairs, baking equipment. Architect taking bids (revised), due July 17th. John E. Healy & Son, C. J. Dough-

erty, John M. Stannard, all of Wilmington, Del., and Joyce & Kerrigan and James Schunder, both of Wilmington, Del., are figuring.

Residence (alt. and add.), 1502 Franklin street, Wilmington, \$3,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Francis E. Valynch, Wilmington, Del. Frame, 3 stories, 30x60 feet, slate roof, new steam boiler, electric lighting, tile floors. Architect has received bids.

Apartments (6) and Stores (3), West Ninth street, Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner, Mrs. Wm. Hammond, Wilmington, Del. Brick, terra cotta and steel, 3 stories, 65x150 feet, slag roof, steam heating, electric lighting. Contract awarded to W. Howard May, 1014 Rodney street, Wilmington.

Swimming Pool and Pumping Station, Wilmington, Del. Architect, Edward Canby May, du Pont Building, Wilmington, Del. Owner, Frank D. Lackey, Ninth and Market streets, Wilmington, Del. Brick and stucco, 1 story, 14x20 feet and 20x40 feet, slate roof, electric lighting, glazed brick and marble pool, dampproofing. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington.

MARYLAND

Construction News

Store Building (alts.), 311 North Charles street, Baltimore, Md. Architects, Sparklin

& Childs, Law Building, Baltimore. Owners, Auman & Werkmeister, 16 West Lexington

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street, Baltimore. New front and interior alterations, tile work, steam heating, electric lighting. Plans in progress.

Apartment House, Lake Drive, Baltimore, Md. Architect, C. H. Glidden, Garrett Building, Baltimore. Owner, Joseph Castelberg, 322 West Baltimore street, Baltimore. Brick and steel, fireproof, 5 stories, 110x140, slag roof, steam heating, electric lighting, elevator, tile and marble work. Plans completed. Architect ready for bids.**Hotel and Office Building**, Washington, D. C. Architects, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owners, the Arlington Corporation, Washington, D. C. Brick, concrete, terra cotta and steel, 10 stories, composition roof, steam heating, electric lighting, elevators, metal lath, tile and marble work. Plans in progress.**College Building**, Guilford, Md. Architects, Maginnis & Walsh, Boston, Mass. Owners, Lyola College, Guilford, Md. Stone and brick, 2 stories, slate roof, steam heating, electric lighting. Plans in progress.**Chapel**, Government, Md., \$15,000. Architects, Mothe & White, 324 North Charles street, Baltimore. Owners, Donaldson School, Government, Md. Brick, 1 story, slate roof, steam heating, electric lighting. Plans in progress.**Dormitory and Boiler House**, Chestertown, Md. Architect, private plans. Owners, Washington College, care of James W. Cain, chairman, Chestertown, Md. Brick and stone, 3 stories, 117x108 feet and 1 story 44x105 feet, slag and tile roof, steam heating, electric lighting. Owners taking bids, due July 20th.**MARYLAND****Contracts Awarded****Bakery**, 634 to 648 West Lexington street, Baltimore. Architect, John Freund, Jr., 11 East Lexington street, Baltimore. Owner, E. H. Koester, on premises. Brick, 3 stories, 65x140 feet, and 1 story, 50x80 feet; slag roof, steam heating, electric lighting. Contract awarded to Charles L. Stockhausen Co., Gay and Water streets, Baltimore, Md.**Warehouse**, Mulberry and Jasper streets, Baltimore. Architect, Otto G. Simonson, Maryland Casualty Building, Baltimore. Owners, Gomprecht & Benesch, 316 North Eutaw street, Baltimore. Brick, concrete and steel, four stories, slag roof, steam heating, electric lighting, elevator. Contract awarded to Consolidated Engineering Co., Calvert Building, Baltimore, Md.**Guild House (alt. and add.)**, Columbia avenue and Collender street, Baltimore, Md. Architects, Smith & May, Calvert Building, Baltimore, Md.

timore. Owners, St. Paul's Guild House, on premises. Brick, stone and steel, 3 stories, 122x126 feet, slag roof, steam heating, electric lighting. Contract awarded to D. M. Andrews Co., Twenty-sixth street and Mount Vernon avenue.

Laboratory Building (add.), Broadway and Monument street, Baltimore, Md. Architects, Archer & Allen, 3 East Lexington street, Baltimore. Owners, Johns Hopkins Hospital, Baltimore, Md. Brick and stone, 1 story, 32x45 feet. Contract awarded to W. E. Burnham, Law Building, Baltimore, Md.**Machine Shop**, Baltimore, Md. Engineer, F. L. Simon, Commerce and Water streets, Baltimore. Owners, Coastwise Shipbuilding Co., Fidelity Building, Baltimore. Corrugated iron and steel, 1 story, 40x200 feet, metal roof. Contract awarded to McLean Contracting Co., Fidelity Building, Baltimore, Md.**Permits for New Buildings**

O is the abbreviation for owner. C is for contractor.

Philadelphia

Chelton Avenue M. E. Church (O), Chelton avenue and Wister street. Wm. H. Eddeleman (C), 453 Green lane, Roxboro. Cost, \$15,000.

Tower extension and Sunday School building, Chelton avenue and Wister street.

Claude S. Jarvis (O), 1211 Vine street.

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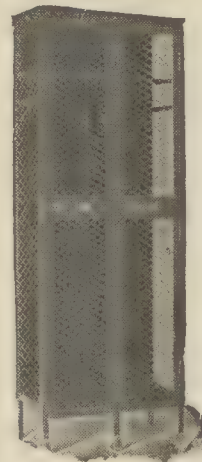


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Hogg Construction Co. (C), 1634 Sansom street. Cost, \$40,000. Loft building, 1219-21-23 Vine street, brick, 57.6x140 feet, 3 stories, slag roof.

James C. Enberg (O and C), 1616 North Fifty-ninth street. Cost, \$2,800. Store and dwelling, northeast corner of Cecil and Hoffman avenue, brick, 2 stories, 16x49 feet, slag roof, hot water heating.

James C. Enberg (O and C), 1616 North Fifty-ninth street. Cost, \$25,000. Ten residences, Hoffman avenue, east of Cecil street. Brick, 2 stories, 13x42 feet, hot water heating, slag roof.

James C. Enberg (O and C), 1616 North Fifty-ninth street. Cost, \$2,800. Store and dwelling, northwest corner of Fifty-seventh and Hoffman avenue. Brick, 2 stories, 16x49 feet, hot water heating, slag roof.

Howard Levering (O), Umbria street. C. W. Swartley (C), 6835 Ridge avenue. Cost, \$4,000. Dwelling, Harmon road and Ridge avenue. Brick and frame, 2 stories, slate roof, hot water heating.

Right Rev. E. F. Prendergast (O), Eighteenth and Race streets. William J. McShane (C), 417 South Thirteenth street. Cost, \$28,636. Dwelling, Twenty-ninth and Allegheny avenue. Stone, 40x61 feet, 3 stories, tile and slag roof, hot water heating.

S. Leibowitz (O), Fourth and Jackson streets. Isaac Seidman (C), 1324 South South Fourth street. Cost, \$5,000. Store and dwellings (2), 1233-1245 Christian street. Brick, 3 stories, 16x38.6 feet, slag roof, hot air heating.

S. Leibowitz (O), Fourth and Jackson streets. Isaac Seidman (C), 1324 South Fourth street. Cost, \$4,000. Two dwellings, 1234-1236 Webster street. Brick, 3 stories, 16x45 feet, slag roof, hot air heating.

Dr. George Woodward (O), 209 North American Building. John E. Walt (C), 204 East Willow Grove avenue. Cost, \$11,965. Dwelling, southwest corner Albright avenue and Lincoln Drive. Stone, 3 stories, 60x29 feet and 13x12 feet, shingle roof, hot air heating.

Jacenski & Wolnowski (O and C), 2369 Margaret street. Cost, \$6,000. Three residences, west side of Milnor street, 183 feet north of Cuncan. Brick, 2 stories, 16x47 feet, slag roof, hot water heating.

Calvary Reformed Church (O), southwest corner of Twenty-ninth and Lehigh avenue. Henry P. Schneider (C), 3713 York road. Cost, \$16,000. Sunday School building, Twenty-ninth and Lehigh avenue. Stone, 2 stories, 41x80 feet, slag roof, steam heating.

Hamilton S. Farrell (O and C), 6505 Woodland avenue. Cost, \$37,700. Eighteen residences, Sixty-fifth and Kingsessing avenue. Brick, 15x33 feet, slag roof, hot air and hot water heating.

A. H. Schock (O and C), 45 West Graver's lane. Cost, \$12,800. Four residences, north side of Meade street, east of Ardleigh. Brick and stone, 16x45 feet, slate roof, hot water heating.

Herbert Hope (O and C), 5901 York road. Cost, \$3,000. Residence, west side of Camac street, south of Medary avenue. Frame, 27.6x22.6 feet, 2 stories, shingle roof, hot water heating.

Evangelical Lutheran Church of the Good Shepherd (O), southeast corner Sixty-second and Jefferson streets. E. E. Hollenback, Inc. (C), northwest corner of Fifteenth and Race streets. Cost, \$10,500. Church, southeast corner Sixty-second and Jefferson streets. Stone, 1 story, 42x74 feet, slag roof, steam heating.

Generoso Rosa (O and C), 835 Catharine street. Cost, \$600. Carpenter shop, rear of 1834 South Camac street. Brick, 14x70 feet, slag roof.

Pennsylvania Salt Manufacturing Co. (O), Philadelphia, Pa. Bollinger, Andrews Const. Co. (C), Pittsburgh, Pa. Cost, \$160,000. Warehouse, Delaware and Oregon avenues. Brick, steel and concrete, 3 stories, 123x220 feet, fireproof, slag roof.

Board of Education (O), Nineteenth above Chestnut street. Melody & Keating (C), 1322 Race street. Cost, \$189,000. School, Fourth and Porter streets. Brick and concrete, 187x120 feet, 3 stories, slag roof.

H. J. Wampole Co., Inc. (O), 424 Fairmount avenue. Stewart Bros. (C), 2526 Orkney street. Cost, \$12,000. Manufacturing and storage building, 424 Fairmount avenue. Brick and concrete, 23x90 feet, 3 stories, slag roof.

Gesu Church (O), Eighteenth and Thompson streets. Thomas Reilly (C), 1616 Thompson street. Cost, \$65,000. Convent, southeast corner Seventeenth and Stiles streets. Foundations of building.

Bouerlet & Emery (O), 4301 North Nineteenth street. Cost, \$20,000. Ten dwellings, west side of Eighth street, north of Bristol. Brick, 2 stories, 14.8x36 feet, slag roof, hot water heating.

Providence M. E. Church (O), northwest corner of Front and Allegheny avenue. Edwin E. Hollenbach, Inc. (C), Fifteenth and Race streets. Cost, \$15,750. Church, northwest corner of Front and Allegheny avenue. Holmesour granite, 1 story, 66x54 feet, slate roof, steam heat.

William H. Eddleman & Sons (C), 453 Green lane, Roxboro. Cost, \$1,200. Residence and store, 389 Martin street. Rear addition, 1 story, brick, 13x18 feet.

Walter M. Wood (O), 6325 Lancaster avenue. H. E. Grau Co. (C), 1707 Sansom street. Cost, \$2,700. Residence, 6325 Lancaster avenue. Brick addition, 14x19 feet, 2 stories, shingle roof.

Estate of P. Inuzzitti (O), 611 North Sixty-third street. Donato C. Buro (C), 809 South Eighth street. Cost, \$600. Market, 937 South Ninth street. General alterations.

Mrs. E. V. Goodman (O), 8860 Germantown avenue. Wolverton & Collins (C), 7930 Germantown avenue. Cost, \$4,000. Dwelling, 8860 Germantown avenue. Two-story addition, 19x17 feet, brick, tin roof.

A. Koshulka (O), 3331 Almond street. F. S. Gfegorek (C), 3185 Edgemont street. Cost,

\$300. Dwelling, 3331 Almond street. Stone porch, 16x7 feet.

Dr. J. H. Wudgett (O), 2028 North Thirteenth street. J. F. Trent (C), 2041 Master street. Cost, \$1,300. Residence and office, 2028 North Thirteenth street. Second and third-story addition, 22x14 feet, brick, slag roof; rear porch, 10x9 feet.

Andrew Miller (O), 331 Church lane. B. P. Evans & Co. (C), Thirteenth and Wallace streets. Cost, \$550. One-story rear addition, brick, 26x12 feet.

C. DeGregono (O), 940 South Tenth street. Nichola DeGregono (C), 940 South Tenth street. Cost, \$500. Dwelling, 902 Mifflin street. Rear addition, 2 stories, brick, 12x12 feet.

R. M. Eisenhart (C and O), west side Frankard avenue, north of Linden avenue. Cost, \$4,000. Greenhouse, 1 story, iron, frame and glass, 60x150 feet.

Rev. M. Rafferty (O), 1020 North Front street. Joseph Roberts (C), 1227 Palethorp street. Cost, \$1,100. Garage, 101 West Polard street. Brick, 1 story, 23x13 feet.

Afl Livingston (O), 2256 North Broad street. Henry Lutz & Co. (C), 210 North Sixteenth street. Dwelling, 2258 North Broad street. Cost, \$585. Hot water heating system.

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TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 1, 1916.—Sealed Proposals will be opened in this office at 3 P. M. August 28, 1916, for the extension, remodeling, etc., of the United States Post Office and Custom House at Nashville, Tenn. Drawings and specifications may be obtained after July 15, 1916, from the Custodian at Nashville, Tenn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 15, 1916.—Sealed proposals will be opened in this office at 3 P. M., August 25, 1916, for the construction complete of the United States Post Office at Ashland, Ohio. Drawings and specifications may be obtained after July 27, 1916, from the Custodian of site at Ashland, Ohio, or at this office, in the discretion of the Acting Supervising Architect. James A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 15, 1916.—Sealed proposals will be opened in this office at 3 P. M., September 19, 1916, for the construction of the United States Post Office at Warrenton, Va. Drawings and specifications may be obtained from the Custodian of the site at Warrenton, Va., or at this office, in the discretion of the Supervising Architect. Drawings and specifications will be ready for delivery after August 8, 1916. James A. Wetmore, Acting Supervising Architect.

Alterations and Additions

Robert G. McDough (O), 6204 Washington avenue. Herman Wiemeyer (C), 302 Weightman Building. Cost, \$900. Residence, 6204 Washington avenue. Third-story brick addition, 16x31 feet.

Dr. Anspach (O), 1827 Spruce street. Wm. K. Dougherty (C), 1608 Sansom street. Cost, \$800. Residence, 1827 Spruce street. Rear addition, 1 story, 18x4 feet, brick.

Printz Degreasing Co. (O), southeast corner Thirtieth and Magazine lane. Amos Hall & Sons (C), 2915 North Second street. Tank, southeast corner Thirtieth and Magazine lane, 5,000 gas tank.

Rosie Sofie (O), 1331 South Seventh street. J. Brooks (C), 1331 South Seventh street. Cost, \$1,500. Five residences, 737-745 Watkins street. Rear addition, 1 story, 10x9 feet, brick, slag roof.

S. A. Wasserman (O), 389 Martin street.

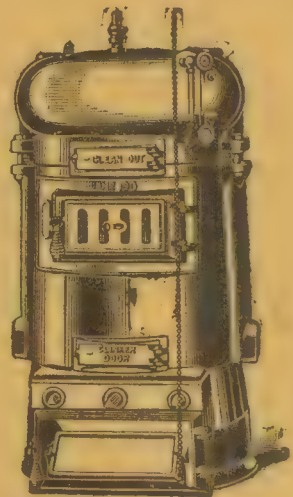
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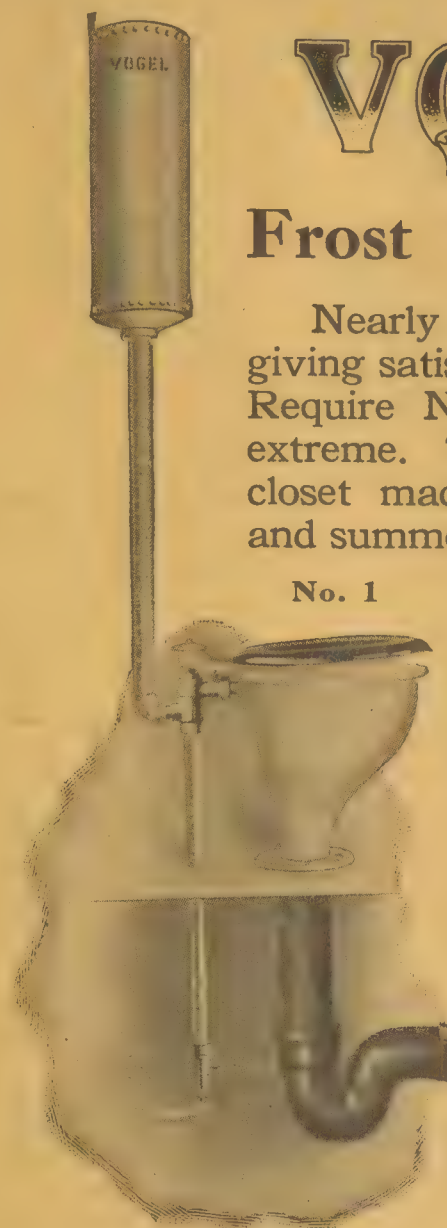
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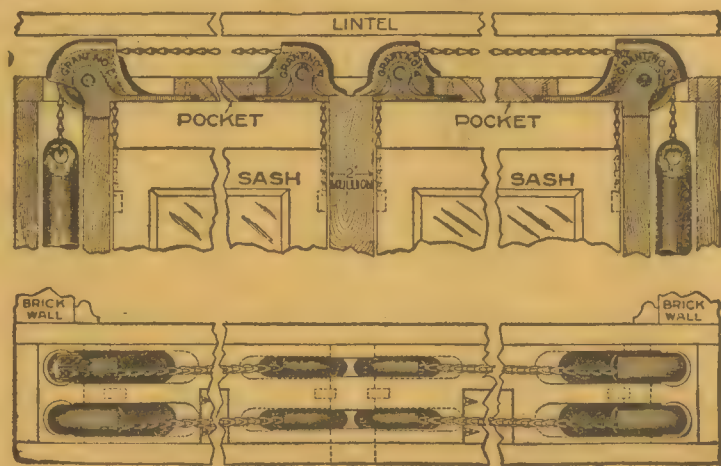
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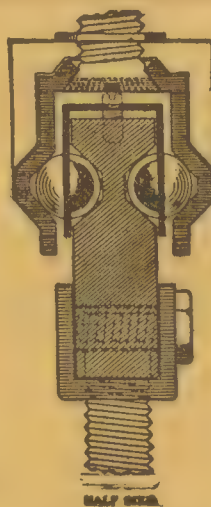
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Vol. XXXI., No. 30.

PHILADELPHIA, WEDNESDAY, JULY 26, 1916.

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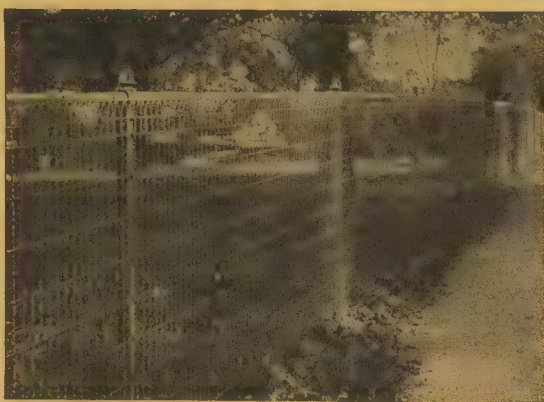
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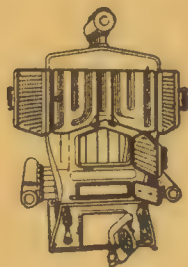
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VOLUME XXXI

Engineering and the Building Trades

PHILADELPHIA

Number 30

July 26, 1916



As The Editor Sees It



A Philadelphia Zoning Commission.

AMONG the acts passed by the last session of the Pennsylvania Legislature was one which authorized the Park Commission of any city of the first class to make regulations as to "the location, size and use of buildings, any portion of which shall come within 200 feet of any park, parkway, playground or other public place under its care or management."

Little attention was given to the act by builders, the general opinion, at the time of its passage, being that it was intended solely to protect park property against the depreciating intrusion of undesirable industries and was without reference to building conditions generally.

That the measure is not nearly so innocuous, as it has been regarded, is shown by a resolution adopted at a recent meeting of councils. This resolution authorizes Mayor Smith to appoint a commission to consist of the Directors of the Department of Public Works, the Director of the Department of Public Safety, the Director of the Department of Health and Charities, the President of the Park Commission, a member of the Board of Surveyors, a member of the Art Jury and one representative of each of the following bodies:

The Committee on Comprehensive Plans, Philadelphia.

The Philadelphia Real Estate Board.

The Philadelphia Operative Builders' Association.

The Philadelphia Chapter of the American Institute of Architects.

The Philadelphia Housing Commission.

The Philadelphia Chamber of Commerce.

The commission thus constituted is to make a survey of the city, taking into account all parks, parkways, playgrounds, "or other public places," and is to make a report covering recommenda-

tions as to the creation of zones within which it will be sought to impose restrictions as to height, character, size and use of buildings in accordance with the Act of May 11, 1915.

* * *

A Housing Expert's Views.

BERNARD NEWMAN, of the Housing Commission, is of opinion that the commission to be named by the Mayor will not only firmly establish the zone system as applied to Philadelphia, but will make it obligatory on builders to provide side yards to all new houses erected in the outlying sections.

Considerable comment has been occasioned by the failure of Councils to provide for a representative on the Commission of the Philadelphia Master Builders' Exchange.

As a thoroughly representative organization, the Exchange should have been among the first invited to name one of its members to act in the framing of any new code having to do with building.

The GUIDE is advised that the omission of the Exchange was an oversight and that Councils will be asked to agree to an amendment under which the Exchange will be asked to name a representative.

* * *

The Public Building Game.

HOW Congress handles the subject of the placing of public buildings throughout the country is pretty generally understood, thanks to the publicity given congressional methods from time to time by architectural and build-trade magazines. Seldom, we think, has the case been so succinctly stated as in a recent number of the *Saturday evening Post*. Under the caption "A Modest Proposal," the *Post* observes:

"The *Journal of the American Institute of Architects* publishes a list of the

public-building bills that have been introduced in the present Congress. They number more than seven hundred and would involve an expenditure of a hundred million dollars. The general plan upon which these bills are dealt with is probably well enough understood."

"Approximately speaking, round sums of money, ranging from fifty thousand to one million dollars, are written on seven hundred slips of paper, which are then put in a bag and shaken up. Each member of the major party in Congress draws two slips and each member of the minority draws one. Members write down the names of towns on their slips, and the slips are then incorporated in a public-building bill, for which everybody votes."

"The actual practice may differ somewhat from the above in detail, but the net result is about the same. Public buildings go where they are not needed and do not go where they are needed. A simple lottery would be nearly as good as the method actually employed. There is no intelligent, comprehensive plan for the erection of public buildings. None of the parties, in its national platform, so much as hints that the pork-barrel, log-rolling scheme should be abandoned or amended."

And the game goes on.

* * *

Experts Disagree on Zoning.

THAT the new Philadelphia Zoning Commission is to find its work no bed of roses is shown by developments in New York City, where the zoning idea has been for some time past the principal theme of discussion among builders, architects and realty men.

Sig. Cedarstrom, real estate expert for the Public Service Commission and a member of the Real Estate Board, is having a merry controversy with George T. Mortimer, president of the Equitable Building Company, over the probable ef-

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fect the proposed zoning plan and building height limitation will have on property values.

Mr. Cederstrom says that zoning and height limiting will destroy realty values and will plunge the city almost into bankruptcy. Mr. Mortimer says it will do no such thing, but on the contrary will help and harden realty values.

The controversy started with a letter from Mr. Cederstrom to the Board of Estimate protesting against the zoning plan, in which he said in part:

"The adoption of the final report of the Commission on Building Districts and Restrictions will have for an immediate effect an enormous decrease of taxable land values throughout the city, resulting in a serious reduction and impairment of the city's borrowing capacity and its debt limit, followed by an increased prohibitive tax rate which will necessarily compel the city to at once find new sources of revenue."

* * *

Probability of Damage Suits.

IN addition, the restrictive uses and other conditions which would be imposed on real estate would create an absolutely definite and concrete basis for the successful institution of innumerable damage suits against the city by owners of real estate for actual injury suffered, whereby millions may be recovered as liquidated damages for the diminution of real estate values and future use imposed by the city.

"The ultimate result would be that chaotic conditions would follow with reference to city finances and real estate ownership.

"The Department of Taxes and Assessments when computing the valuations for purposes of taxation on ordinary real estate adopts methods whereby the highest possible value may be given to each separate assessed parcel of real estate, considering it as a whole in one ownership.

"The fundamental basis for its methods is primarily that all ordinary real estate (land and improvements) for purposes of taxation is in fee simple ownership and as such is unrestricted as to its use, and being unrestricted, the land is capable of being utilized to its fullest extent for residential, commercial or other purposes, taking all the potential features into consideration.

"The adoption by the Board of Estimate and Apportionment of the districting resolution as submitted, would of itself necessitate a complete change in the fundamental basis of the valuation of ordinary real estate for purposes of taxation. The courts certainly would not permit the city to impose restrictions and then ignore them in its valuation for taxation purposes.

Viewpoint of the Owner.

REAL estate located in the various boroughs of the city of New York, consisting of over 500,000 separately assessed parcels of real estate on the tax books, totally about \$8,000,000,000, are owned in fee simple, the few parcels that have been purchased or are otherwise negligible.

"The owners of these various properties have a perfect right to assume that the ownership of real estate in fee simple carries with it a legal right to utilize their individual properties as they see fit and in such manner as will best suit their purpose, be it residential, investment, speculation for building purposes or otherwise, or a mere gamble in the future enhancement of value, or a whim to own a piece of mother earth and pay taxes to the city, subject only to a reasonable regulation in the interest of public health, under the police power of the city. Real estate values in the city of New York are predicated on this state of facts, and it is substantially the basis adopted for taxation purposes."

* * *

The Zoning Point of View.

REPLYING as spokesman for the zoning commission Mr. Mortimer says in part:

"You as a real estate expert should know that the haphazard development of this city has finally brought about such a chaotic condition in real estate values that there is no stability of any sort whatever. You know that the large majority of foreclosures go to the plaintiff. You should know that much of this condition is due to the fact that this town is woefully overbuilt in haphazard style, and further that the owner who is willing to go into a decent development fears lest his investment be wholly or partially ruined by the subsequent act of his neighbor. You must know that most of all of our fine suburban developments have eventually been ruined by the encroachment of the multi-family house. You must know that if the entire Borough of Brooklyn was built up with apartments they would in a great degree be substantially tenantless, as there is no economic demand for such a thing.

"You must know that when an apartment is built in or on the outskirts of a good residential section it cuts down the value of every good private house within a large radius of it.

"Now as to zoning. What do you think the result would be to the valuation of your home if I should build a public garage next to it? What do you think the loss has been to Fifth avenue by permitting the erection of sweatshops either on it or near to it? Don't you know that

over half of the so-called skyscrapers in lower Manhattan have been ruined by the subsequent erection of buildings which have cut off their light and air? Don't you know that if there had been such a zoning regulation as is now proposed the disaster which has happened to the old dry-goods district south of Twenty-third street never could have happened? Don't you know that one of the important underlying factors behind the whole zoning proposition is the stabilizing of real estate values? To me it is so obvious that it merits no discussion."

* * *

Three Kinds of Convention-Goers.

IN the course of an address made on the occasion of the recent convention of the Master Plumbers and Steam Fitters at Atlantic City Judge Karel got off a clever bit on the kind of people who attend trade conventions. There are, Judge Karel remarked, three varieties of convention goers:

1. The earnest workers.
2. Those who consider the convention a clearing house for ideas, where business yarns are swapped and experiences told and—
3. Those who know little and care less and who look upon the convention simply as an outing.

The first two classes, says the Judge, derive benefit from the convention, but the third class is wasting its time so far as furthering their business interests is concerned.

* * *

The Ideal Location.

FOR long, members of the theatrical profession have complained—and with reason—of the custom theater owners have of building their theaters with imposing entrances for the public on the street, but with the stage entrances tucked away up in dark and dingy byways, says the *Saturday Evening Post*. At the conclusion of a season on the road, Ed. Wynn, the comedian, was riding through a town in Iowa when he passed the mouth of the dirtiest, shabbiest alley he had ever seen. Forgotten swill barrels lined its sides and a dead cat was ripening in the sunshine midway of its length.

Wynn stopped, got out of the 'bus, looked up the local photographer, and caused the individual to make a picture of the dismal prospect. Then he mailed a finished copy to a gentleman in New York who owns a string of theaters over the country, with the following suggestion written on the margin:

"You are overlooking a bet. What a lovely alley to build a theater alongside of!"

EDITORIAL NOTES.

The National Association of Master Steam and Hot Water Fitters are considering a proposal to change the name of the association to one more in keeping with the technical demands of the craft. Some such substitute as "The National Association of Heating Contractors" is suggested.

* * *

Some town is little old Philadelphia, even if the paragraphers do persist in poking fun at it and referring to it as "slow." At a recent meeting councils passed a budget of \$26,241,463 for municipal improvements, parcelled as follows:

Grading, \$250,000; paving and repaving, \$500,000; bridges, \$745,000; main sewers, \$1,000,000; branch sewers, \$1,000,000; Bigler and Packer street, \$500,000; country roads, \$250,000; Parkway, \$9,000,000; workmen's compensation, \$250,000; mandamus, \$300,000; improvements at Byberry, \$2,300,000; opening streets, widening, changing grades, \$4,925,900; maintenance and deficiencies, \$4,970,563. Total, \$26,241,463.

* * *

Pretty good for "a sleepy village," don't you think?

* * *

If you are not a regular subscriber to the GUIDE you are not keeping in complete touch with the doings of the live wires in your line. And the man in business to-day who allows himself to get out of touch with what is going on in his own line is headed for failure. The successful man in the world of to-day knows who's who and what's what. Send in your subscription and keep in step with the band.

* * *

Don't be afraid to write to the editor when you feel you have something of value to say about a topic of current trade interest. This is *your* paper and it will be glad to find space for *your* opinions. All the good things that have happened within the past six thousands years grew out of discussion.

* * *

Rules, regulations, formulas and advanced methods are absolutely essential to-day for the manufacturer, the jobber, or the retailer, who expects to measure up in the commercial world to the standard of prevalent ideas, in fact, to the recognized standard of successful ideas; but whenever men become so efficiency-ized that they also become mere machines, mere breathing automatons as it were, then it is that the word efficiency becomes a by-word and a joke. Cram a man so full of "lost motion" ideas that you kill his initiative and he becomes

far less valuable than the kind of machine that starts with a crank and is stopped with a brake.—*The Triangle*.

* * *

The windows are the mirrors of the store, comments an English trade paper, and reflect the character of the goods. An artistic window creates a belief in high quality, excellence and style, whereas the crowded and jumbled window conveys the opposite—cheapness and inferiority. To sum up, the points to be kept in mind are: Good artistic arrangement, no overcrowding and good lighting arrangement, not forgetting terse description, and above all, truthful ticketing.

* * *

Advertising power, when applied to the bargain sale or to a special mail order proposition, or to any other quick-action event, will produce results akin to speed. But if the upbuilding of an enterprise is involved, then the power of advertising will be indicated not in the rapidity with which this result is accomplished, but in the substantial and solid character of the achievement. And when advertising has revealed its power in this wise there will be even more admiration for the results than there would be for the speedier, showier work.—*Furniture Record*.

* * *

In an interview with a merchant in a Western city recently he said: "I have been thinking a lot about my advertising copy. I am accounted a pretty good salesman—that is, when I wait upon people in my store. I talk to them about the merchandise they are seeking, its quality, the service it will give, etc. I talk to them just as I talk to you, and generally effect a sale.

"I make my advertisements a phonograph of my salesmanship talk. It strikes me that that is the way to advertise. There is nothing freakish or mysterious about advertising—it is simply putting your personal talk into printed words. The nearer you get your words to represent you as a salesman the better results your advertisements bring."

This merchant's statement is good, sound logic. It is indisputable. But only a small percentage of merchants do as he does. However, the time is coming, and it is not far distant, when retail merchants generally will adopt the same methods. When they do retail advertising will increase in efficiency.—*The Dry Goodsman*.

A retailer may fool himself by failing to charge all of his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—*Ex*.

TO BORE HOLES IN PLATE GLASS.

It is often desirable to bore a hole through plate glass to be used as a shelf or for some other purpose in the shop, says an exchange. This has often seemed impossible to the trimmer or merchant in the smaller towns where there is no one specially prepared to do the work. Here is a simple and easy way to do it: Get a small three-cornered file and grind the points from one corner and bias from the other and set the file in a common brace for boring wood. Lay the glass you wish holes bored in on a smooth surface covered with a blanket and start the hole. You will soon make a slight impression on the glass. Around this place a disk of putty; fill this with water. This will prevent too great heating from the friction. Resume the boring, and in a few seconds you will have as clean a hole as though you were boring in wood. Use a little care, and don't apply too much pressure while you are boring, as you are liable to crack the glass. And size holes may be made in this way.

A. E. Wills and E. E. Ludwick have opened offices at 36 South Seventeenth street, Philadelphia, under the name Wills, Ludwick & Co., general contractors. Mr. Wills was associated for ten years with Henry L. Brown, contractor and builder. Mr. Ludwick was superintendent of construction for the City of Philadelphia for years and acted in a dual capacity as superintendent of construction for the American Institute of Architects and the City of Philadelphia on the restoration of Independence Square.

Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence (alts.), 5909 Greene street. Architects, Savery & Scheetz, Stephen Girard Building. Owner, Dr. Albert C. Sautter, 1421 Locust street. Stone, 2½ stories, tin roof, electric lighting, tile work. Architects taking bids, due July 28th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; Wolverton & Collins, 7930 Germantown avenue; Samuel Harting, 20 E. Johnson street; Wm. J. Gruhler & Co., 219 E. High street; Wm. C. Wright, 22 E. Harvey street.

Parochial School, Belgrade and Westmoreland streets. Architects, Ballinger & Perrot, Seventeenth and Arch streets. Owners, R. C. Church of The Nativity, Monsignor J. P. Turner, on premises. Brick, stone and steel, fireproof, 4 stories, 125x170 feet, slag roof, steam heating, electric lighting, tile work. Architects taking bids, due July 27th. The following are figuring: Wm. J. McShane, 417 South Thirteenth street; John McShain, 1610 North street; Melody & Keating, 1322 Race street; Wm. R. Dougherty, 1610 Sansom st.; Ketcham & McQuade, 1029 Brown street; Irwin & Leighton, 126 North Twelfth street.

Office and Store Building, northeast corner Fifth and Arch streets. Architect, Wm. C. Furber, 418 Walnut street. Owners, Smith, Kline & French Co., 429 Arch street. Reinforced concrete, brick and terra cotta, 7 stories, 33x30 feet, slag roof, steam heating, electric lighting, metal sash, fire doors. Plans in progress. Architect will take bids in about one month.

Residence and Garage, Wynnefield, Philadelphia. Architect, H. Rex Stackhouse, Drexel Building. Owner, name withheld. Stone, 20x60 feet and 14x18 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in about three weeks.

Store Building, 810 North Broad street. Architect, Chas. E. Oelschlager, Harrison Building. Owners, R. A. Heymann & Bro., Widener Building. Lessees, Empire Rubber & Tire Co., 322 North Broad street. Brick and terra cotta, 4 stories, 20x160 feet, slag roof, steam heating, electric lighting, fire doors, elevator, metal lath. Architect taking bids, due July 26th. The following are figuring: Lam Building Co., 1001 Wood street; E. J. Kreitzburg, 1345 Arch street; I. T. Shoemaker, 1324 Walnut street; Lincoln H. Smith, 23 North Sixty-third street; McCloskey and Bahls, Hale Building; P. J. Hurley, 1233 Cherry street; Stacy Reeves & Sons, 2011 Market street; Chas. J. Appleton, Heed Building.

Garage, Fifteenth and Courtland streets. Architect, Frank Seeburger, Pennsylvania Building. Owners, Strawbridge & Clothier, Eighth and Market streets. Brick and steel, 1 story, 100x172 feet, slag roof, metal doors, metal sash, composition floors (heating, plumbing, electric work, lockers and gasoline storage system reserved). Architect has received bids.

Residence and Garage, Chestnut Hill. \$50,000. Architects, Mellor and Meigs, 205 South Juniper street. Owner, Francis S. McIlhenny, Commercial Trust Building. Stone, 2½ stories, 20x65 feet, and 30x53 feet, tile roof, tile and marble work, hardwood floors (heating and electric work reserved). Architects taking revised bids, due July 26th. The following are figuring: J. S. Cornell & Son, Land Title Building; Pringle Borthwick, 8018 Ger-

mantown avenue; Wm. C. Wright, 22 Harvey street; J. Sims Wilson Co.; Wm. J. Gruhler & Co., 219 E. High street; R. C. Ballinger & Co., 218 North Thirteenth street; John Duncan, 920 Walnut street.

Store (alt. and add.), 535 South street. Architect, Wallace A. Finnessey, 728 Porter street. Owner, J. Carroll Sheehan (agt.), 6386 Overbrook avenue. Brick, 4 stories, slag and tin roof, ornamental iron, tile work, electric lighting. Agent has received bids.

Bottling House, 921 and 23 North Fifth street, \$50,000. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, John J. Wolf, 927 North Fifth street. Brick, terra cotta, steel and concrete, 2 stories, 35x133 feet, slag roof, electric lighting, metal sash. Architects taking bids, due July 27th. Philip Haibach Contracting Co., Twenty-sixth and Thompson streets, and F. E. Wallace, 1220 Chancellor street, are figuring.

Barrel Factory, Water street and Wharton lane. Architect, Chas. E. Oelschlager, Harrison Building. Owner, name withheld. Brick, 2 stories, 68x112 feet, slag roof (heating, electric work and elevator reserved). Architect has received bids.

Store Building, 671 North Broad street. Architect, LeRoy B. Rothschild, Bulletin Building. Owner, Oscar Isenberg, 203 N. Broad street. Brick and terra cotta, 1 story, 18x60 feet, slag roof, steam heating, electric lighting, metal lath. Architect has received bids.

Residence, Upsal street, near Wissahickon avenue. Architect, L. V. Boyd, Harrison Building. Owner, name withheld. Brick, 2½ stories, 50x22 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architect taking bids, due July 25th. The following are figuring: F. B. Davis, 240 N. Sixteenth street; Wm. C. Wright, 22 East Harvey street; F. Elvidge & Son, 5522 Germantown avenue; Chas. Johnson, 5701 Boyer street.

Office Building, Nicetown, \$60,000. Architect, Thos. B. Lippincott, Stephen Girard Building. Owners, Midvale Steel Co., Widener Building. Reinforced concrete and brick, 4 stories, 100x50 feet, slag roof, steam heating, electric lighting, metal sash. Plans in progress. Architect will take bids in about ten days.

Store and Apartments (alts.), northwest corner Fifteenth and Tasker streets. Architect, Robert W. Pollock, 1802 Chestnut street. Owners, Baer and Snyder, on premises. Brick, 3 stories, slag roof, electric lighting, tile work. Architect has received bids.

Storage and Residence, 2302 Bonsall street. Architect, R. Beard, 2310 Columbia avenue. Owner, Andrew Florence, 2206 Columbia avenue. Brick, 2 stories, 18x42 feet. Owner has received bids.

Office Building, 529 Chestnut street, \$50,000. Architects, A. M. Adams, 1012 Walnut street, and Wallace and Warner, Real Estate Trust Building. Owners, Girard Life Insurance Co., Drexel Building. Stone, brick and steel, 2 stories, 24x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence and Garage (alt. and add.), 2109 Walnut street. Architect, Chas. Barton Keen, Bailey Building. Owner, Howard Reifsnyder, 110 South Front street. Brick and stone, 4 stories (plumbing, heating, electric work, tile work, roofing and plastering reserved). Arch-

itect taking bids, due July 27th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; John N. Gill & Co., Heed Building; Thomas M. Seeds, Jr., Co., 1207 Race street; A. Raymond Raff Construction Co., 1635 Thompson street.

Residence, St. Martins, Philadelphia. Architect, R. R. McGoodwin, 1422 Walnut street. Owner, Dr. Geo. Woodward, North American Building. Stone, 2½ stories, 30x45 feet, (2) wings, 20x30 feet and 14x18 feet, slate roof, electric lighting, tile work, hardwood floors (heating reserved). Architect has received bids.

Apartment House, Pine street, west of Twenty-third, \$45,000. Architect, LeRoy B. Rothschild, Bulletin Building. Owner, Everett Cummins, 503 Chestnut street. Brick and steel, 4 stories, 75x75 feet, slag roof, steam heating, electric lighting, tile work, metal lath, re doors, ventilators. Builders Acetylene Gas & Construction Co., 503 Chestnut street, and Supts. S. B. MacDowell & Son, 1927 Montgomery avenue, are taking sub-bids on all lines.

Bank and Office Building, 20 and 22 South Fifteenth street. Architects, DeArmond, Ashmead & Bickley, 1524 Walnut street. Owners, Franklin Trust Co., Fifteenth and Market sts. Brick, terra cotta, concrete and steel, 10 stories, 44x94 feet, concrete and slag roof, steam heating, electric lighting, metal lath, marble work, elevators. Plans about completed. Architects will take bids about August 1st.

Factory (alt. and add.), Holmesburg, Phila. Architect, private plans. Owners, American Manganese Bronze Co., Rhawn and Hegerman streets. Brick and concrete, 1 story, consists of new toilet rooms and interior alterations. Plans in progress. Owners will take bids in two weeks.

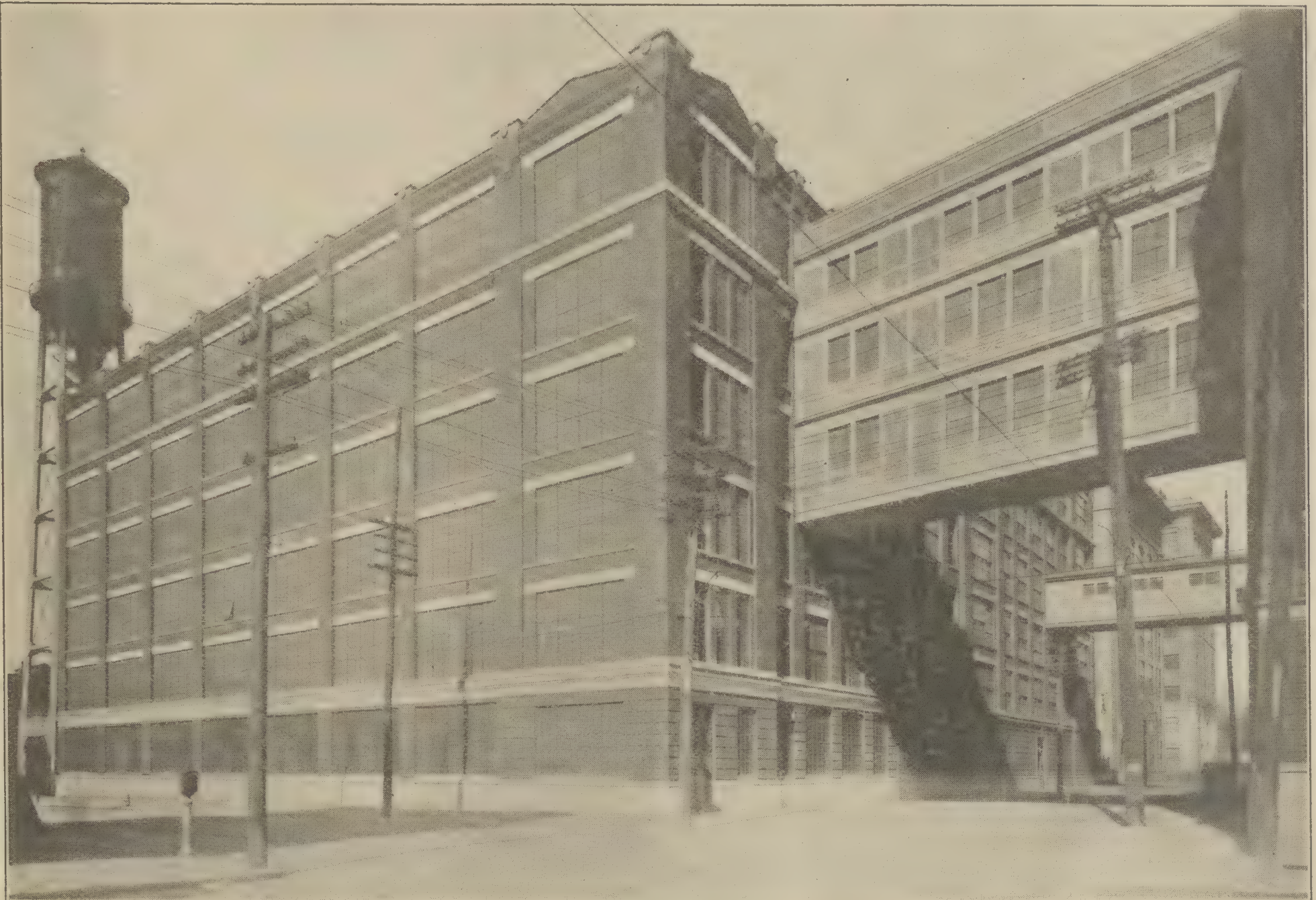
Store (alts.), 1320 Walnut street. Architects, The Hoffman Co., Finance Building. Owners, The Rosenbach Co., on premises. Brick, 3 stories, slag roof, electric lighting, steel sash, metal lath, tile and marble work. Architects have received bids.

Residence, Cliveden street and Wissinoming avenue. Architect, L. V. Boyd, Harrison Building. Owner, John A. Seeds, Upsal street and West Wissinoming avenue. Brick, 2½ stories, 30x65 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking revised bids, due July 27th. The following are figuring: Vanderbery Bros., 5802 Pemberton street; Charles Johnson, 5701 Boyer street; John Wright, 694 West Johnson street; John Dear, 4544 Greene street.

Residence, Upsal street and Wissinoming avenue. Architect, L. V. Boyd, Harrison Building. Owner, John A. Seeds, Upsal street and West Wissinoming avenue. Stone, 2½ stories, 30x70 feet, slate roof, hot water heating, electric lighting, tile work. Architect taking revised bids, due July 27th. The following are figuring: Vanderbery Bros., 5802 Pemberton street; Charles Johnson, 5701 Boyer street; John Wright, 694 West Johnson street; John Dear, 4544 Greene street.

Church, Germantown, Philadelphia. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Second Church of Christian Scientist. Brick, 1 story, 180x110 feet, tile roof (heating, plumbing, electric work, roofing, painting, plastering, tile work

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24th and Walnut Streets, Philadelphia, Pa.

separate bids). Plans in progress. Architects will take sub-bids and general bids in two weeks.

Residences (13), Cobb's Creek Boulevard, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Benj. J. Dudnick, 7212 Woodland avenue. Brick, 2 stories, 15x58 feet, slag roof, hot water heating, electric lighting. Plans in progress.

Employees' Building, Wheatsheaf lane and Gaul street, Philadelphia. Architects, Ballinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owners, F. W. Tunnell & Co., Inc., 15 North Fifth street. Brick, 2 stories, reinforced concrete, slag roof, terrazzo floors. Architects taking bids, due July 27. The following are figuring: F. A. Favens & Co., 845 North Nineteenth street; H. E. Baton, Twelfth and Sansom streets; H. H. Burrell, 206 South Quince street; A. R. Raff, 1635 Thompson street; Haibach Contracting Co., 1261 North Twenty-sixth street; Ketcham & McQuade, 1029 Brown street; Armstrong & Latta, Land Title Building; Pomeroy Construction Co., 1609 Ranstead street; T. C. Trafford, 1613 Sansom street; Loos & Dohard, Commercial Trust Building; W. O. Springer, 1604 Latimer street.

Hospital Building, Agate street and Allegheny avenue. Architects, Ballinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owners, Northeast Hospital, Agate and Allegheny avenue. Preliminary plans in progress. Too early for details.

Warehouse, northwest corner Delaware avenue and Cooper street, Camden, N. J. Architects, Ballinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owners, Joseph Campbell Co., Camden, N. J. Brick, steel, concrete, 268x92 feet, slag roof, steel sash, fire doors. Architects taking bids, due July 28th. The following are figuring: Armstrong & Latta, Land Title Building; Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denekla Building; H. E. Baton, Twelfth and Sansom streets; Pomeroy Construction Co., 1609 Ranstead street; Haibach Contracting Co., 126 North Twenty-sixth street, Philadelphia; J. S. Rogers Co., Moorestown, N. J.

Hotel (alt.), Eighth and Chestnut streets, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, Green's Hotel, Eighth and Chestnut sts. Removing wall, putting in girders, minor alterations. Architects taking bids. The following are figuring: Hogg Construction Co., 16634 Sansom street; Stacey Reeves & Sons, 2011 Market street; John McShain, 1610 North street.

Residence and Stable, 708 South Third st. Architect, J. Ethan Fieldstein, Hale Building,

Philadelphia. Owners, Milgram & Neiman, Commonwealth Building. Brick and steel, 2 stories, 16x36 feet and 94x30 feet, slag roof, steam heat (plumbing, heating and electrical work reserved). Plans completed. Owners ready for bids.

Residence, St. Martin's, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Charles P. Fox, Oxford avenue and Loney street, Fox Chase, Philadelphia. Stone, 2½ stories, slate roof (plumbing, heating, electric work, hardware reserved). Architect taking bids, due July 28. The following are figuring: I. A. Dunkelberg, 71 East Herman street; Pringle Borthwick, 8018 Germantown avenue; Wolvertson & Collins, 7930 Germantown avenue; H. L. Brown, 1714 Sansom street; Stacey Reeves & Sons, 2011 Market street; James H. Wells, Heed Building, Philadelphia.

Church and alts. to Sunday School, Twentieth and Chelton avenue. Architects, Neff & Thames, Heed Building. Owners, Covenant Presbyterian Church, Rev. H. W. Hathaway, Sixty-fifth avenue and Twenty-first street. Stone, 1 and 2 stories, 83x85 feet and 37x50 feet, slate roof, steam heating, electric lighting. Architects taking bids, due August 4th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; Burd P. Evans & Co., Thirteenth and Wallace streets; A. Raymond Raff Const. Co., 1635 Thompson street; F. L. Hoover & Sons, 1023 Cherry street.

Residence, Fifty-third street, north of Gainor road. Architect, E. D. Salter, 4907 Wynnefield avenue. Owner, W. M. Crowe, 5309 Susquehanna avenue. Hollow tile and plaster, 2½ stories, 40x25 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Architect taking bids, due July 28. E. J. Kreitzburg, 1345 Arch street, and J. Paul Emrey, 4907 Wynnefield avenue, are figuring.

Recreation Building, Sixteenth and Wingo-hocking streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Board of Education, 587 City Hall. Reinforced concrete and stucco, 1 story, 21x21 feet, asbestos shingle roof, metal lath, damp-proofing, iron stairs, hollow tile, iron fences (plumbing and electric work separate bids). Owners taking bids, due August 1st at noon. The following are figuring: W. W. Anstine & Co., 1218 Filbert street; Frank G. Stewart, 1619 Sansom street; Mitchell Bros., 2125 Race street.

Factory, Twenty-fifth and Hunting Park avenue. Architects, Ballinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owners, Edward G. Budd Manufacturing Co., Twenty-fifth and Hunting Park avenue. Preliminary plans in progress. Too early for details.

metal lath, roof ventilators, iron stairs, steel lockers. Contract awarded to Frank G. Stewart, 1619 Sansom street.

Power House, Frankford avenue and Westmoreland street. Architect, W. E. S. Dyer, Land Title Building. Owners, Thos. Wolstenholme Sons & Co., on premises. Brick and steel, 2 and 4 stories, slag roof, metal sash, fire doors. Contract awarded to A. L. Fretz & Son, Heed Building.

Store Building (alts.), 923 Market street. Architect, F. E. Hahn, 1112 Chestnut street. Owners, L. W. Hirsch Co., on premises. Consists of interior alterations, electric lighting, ornamental iron work. Contract awarded to

B. Bornstein, 1510 North Franklin street.

Factory (add.), 307 to 311 Florist street. Architect, Frank E. Hahn, 1112 Chestnut st. Owners, Jos. Kopperman & Son, on premises. Brick, 2 stories, 62x22 feet and 32x12 feet, slag roof, ventilators, concrete floors. Contract awarded to Monaghan and Losse, 3016 Chestnut street.

Store and Apartments (alts. and adds.), Fortieth and Irving streets. Architects, Savery & Scheetz, Stephen Girard Building. Owners, S. S. White Dental Mfg. Co., Twelfth and Chestnut street. Brick, 3 stories, slag roof, metal lath, tile work (heating, plumbing and electric work reserved). Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

School (alt. and add.), Oak Lane. Architect, Frank E. Hahn, 1112 Chestnut street. Owners, Oak Lane Country Day School, Oak Lane. Stone and frame, 3 stories, steam heating, electric lighting. Contract awarded to P. A. Waltz, 6610 North Seventh street.

Picture Theatre (alt. and add.), 903 North Sixth street, \$17,000. Architect, Carl P. Berger, 1418 South Penn Square. Owners, Poplar Moving Picture Theatre, on premises. Brick, concrete and steel, fireproof, 1 story, 57x152 feet, slag roof, steam heating, electric lighting, ventilators, metal lath. Contract awarded to Freund-Siedenbach Co., Bulletin Building.

Residence, E. Willow Grove avenue. Architect, private plans. Owner, Franklin Landenberger, 22 E. Gowen avenue. Brick and stucco, 2½ stories, 40x22 feet, wing 11x12 feet, slate roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to Wm. C. Wright, 22 E. Harvey st.

School (alts.), Chestnut Hill. Architects, Stewardson & Page, 318 Walnut street. Owners, Springside School, Chestnut Hill. Stone, 3 stories, slate roof, steam heating, electric lighting. Contract awarded to Alexander Caie, 48 E. Chestnut avenue.

Pennsylvania Construction News

Masonic Home, Womelsdorf, Pa., \$7,000. Architect, C. J. Young, 520 Washington street, Reading. Owners, Williamson Lodge No. 307, Chas. P. Shaffer, Chairman, Womelsdorf, Pa. Brick, 3½ stories, 40x56 feet, tin roof, hot water heating, electric lighting, tile work. Revised plans in progress.

Picture Theatre (alts.), Reading, Pa. Architect, C. J. Young, 520 Washington street, Reading. Owner, Howard S. Rentz, Reading, Pa. Brick and stucco, 1 story, 20x40 feet, tile roof, electric lighting, damp-proofing, metal lath, ventilators. Ready for bids.

Residence, Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading. Owner, Clarence L. Weimer, Lebanon, Pa. Brick and hollow tile, 2½ stories, 77x53 feet, asbestos shingle roof, vapor heating, electric lighting, hardwood floors, tile work. Owner taking bids, due July 25th. The following are figuring: H. Buffamoyer and J. H. Creiner, Lebanon, Pa.; Beard Const. Co., Reading, Pa.; Wm. H. Flick, Lancaster, Pa.

Factory, Richland, Pa., \$15,000. Architect, C. J. Young, 520 Washington street, Reading. Owners, Curtis & Jones, Richland, Pa. Brick, 2½ stories, 41x121 feet, slag roof, steam heating, electric lighting, re doors, sprinkler system, metal lath. Architect taking revised bids, due July 27th. The following are figuring: L. H. Focht & Son, Rundell & Behm, Chas. H. Schlegel, Beard Const. Co., J. B. Trexler, all of Reading, Pa.; Adam Spatz, Wernersville, Pa.; J. H. Wickersham, Lancaster, Pa.; W. A. Deitrich, Pottsville, Pa.; C. A. Sollenberger, Harrisburg, Pa.; W. E. Wark & Co., 1737 Filbert street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory, Janney and Monmouth streets. Architects, Chas. E. Oelschlager, Harrison Building, Philadelphia, and Albert B. Groves, St. Louis, Mo. Brick, main building, 5 stories, 41x250 feet; power house, 1 story, 50x50 feet, office building, 1 story, 50x50 feet; slag roofs, fire doors (heating, electric work, sprinklers and elevators reserved). Contract awarded to Lincoln H. Smith, 23 North Sixty-third street, Philadelphia.

Recreation Building, Fifty-first and Chester avenue, \$104,896. Architect, Philip H. Johnson, Land Title Building. Owners, Board of Recreation, City Hall. Brick, stone and terra cotta, 2½ stories, 202x85 feet, slate roof,

Residence, Ashland, Pa., \$10,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, John W. Pepper, Ashland, Pa. Brick, 3 stories, 32x87 feet, tin roof, hot water heating, electric lighting, hardwood floors, tile work. Architect ready for bids.

Garage (add.), Reading, Pa., \$10,000. Architect, W. M. High, 416 Penn street, Reading, Pa. Owners, Heydt Motor Car Co., Reading, Pa. Brick, steel and concrete, 2 stories, 50x96 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing. Architect taking sub-bids.

Church (add.), Darby, Pa. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Mt. Zion M. E. Church, Darby, Pa. Stone, 1 story, 41x79 feet, Carey's and slate roof, metal lath, dampproofing (heating and electric work reserved). Architect taking bids, due July 27th. The following are figuring R. C. Ballinger & Co., 218 N. Thirteenth street; Wm. R. Dougherty, 1610 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; F. B. Davis, 240 North Sixteenth st.; Daniel P. Godshall, Seventh and Main streets, Darby, Pa.

Residence, Pottsville, Pa., \$15,000. Architect, H. J. Maurer, Baer Building, Reading. Owner, Thomas Pepper, Pottsville, Pa. Brick, 2½ stories, 52x52 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

School (add.), Birdsboro, Pa., \$7,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading. Owners, Board of Education, care D. H. Watts, Secretary, Birdsboro, Pa. Brick, 2 stories, 26x32 feet, slate roof, metal lath, fire doors (heating, plumbing and electric work separate bids). Owners have received bids.

Warehouse, Reading, Pa., \$8,000. Architect, J. Earle Hickman, 119 South Fifth street, Reading. Owners, Bard Hardware Co., Reading, Pa. Brick, 3 stories, 661x61 feet, tin or slag roof, metal sash, electric lighting. Plans in progress.

Residence and Garage, Whitemarsh, Pa. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, Mrs. John J. Henry, Cherokee and Moreland streets. Stone, 2½ stories, 50x130 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids, due July 25th. The following are figuring: Geo. A. Fuller Co., Widener Building; Thomas M. Seeds, Jr., Co., 1207 Race street; J. Sims Wilson Co., 1125 Brown street; H. E. Batou, Twelfth and Sansom streets; F. B. Davis, 240 North Sixteenth street; James H. Wells, Heed Building.

Stores and Apartments, Chester, Pa., \$16,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, 40x80 feet, slag roof, steam heating, electric lighting. Plans in progress.

Church (alt. and add.), Ft. Washington, Pa. Architect, H. A. Macomb, 214 South Seventh street, Philadelphia. Owners, St. Paul's P. E. Church, Ft. Washington, Pa. Stone, slate and tin roof. Architect has received bids.

Cottage, Garage and Stable, Wawa, Pa. Architects, Baily & Bassett, 421 Chestnut st., Philadelphia. Owner, George Wood, Wawa, Pa. Stone, 2 stories, shingle roof, hot water heating, electric lighting. Plans in progress.

Residence and Garage, Collingdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut st., Philadelphia. Owner, Dr. F. S. Hunlock, Collingdale, Pa. Stone and frame, 2½ stories, shingle roof, hot water heating, electric lighting, tile work. Plans in progress.

Residences (17), South Bethlehem, Pa. Architect, David Levy, 4940 Parkside avenue, Philadelphia. Owner, name withheld. Brick and hollow tile, 2 stories, slag roofs. Plans in progress.

Store Building, Harrisburg, Pa. Architect,

C. Howard Lloyd, Telegraph Building, Harrisburg. Owner, C. Ross Boas, Harrisburg, Pa. Reinforced concrete, brick and terra cotta, 2 stories, 26x90 feet, tin roof, steam heating, electric lighting, metal lath, ventilators, elevator. Plans in progress.

Residence, Harrisburg, Pa., \$5,000. Architect, George H. Grove, 416 Walnut street, Harrisburg. Owner, Benjamin C. Brenneman, Harrisburg, Pa. Brick and stucco, 2½ stories, 26x40 feet, slate roof, steam heating, electric lighting, tile work, hardwood floors. Plans in progress.

Twin Residence, Harrisburg, Pa., \$9,500. Architect, George H. Grove, 416 Walnut street, Harrisburg. Owner, A. Belehas, Harrisburg, Pa. Brick and stone, 2 stories, 32x50 feet, slate and tin roof, steam heating, electric lighting. Plans completed. Ready for bids.

Twin Residence, Harrisburg, Pa., \$10,000. Architect, George H. Grove, 416 Walnut street, Harrisburg. Owners, Rolles Bros., Harrisburg, Pa. Brick and stone, 2 stories, 36x50 feet, slate and tin roof, steam heating, electric lighting, tile work. Plans in progress.

School, Palmerton, Pa., \$30,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Palmerton, Pa. Brick, 1 story, 74x121 feet, slate roof, warm air or steam heating, electric lighting, fire doors, concrete floors. Owners have received bids.

High School, Ridley Park, Pa., \$80,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Ridley Park, Pa. Brick and terra cotta, 2 stories, 125x70 feet, slag roof, steam heating, electric lighting, metal lath, ventilators, concrete floors. Plans completed. Owners will take bids in a few days.

Residences and Garages (4), Narberth, Pa. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, I. D. Sayre, 123

Dock street, Philadelphia. Hollow tile and plaster, 2½ stories, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Factory and Garage, Harrisburg, Pa. Architect, C. Harry Kain, 317 Chestnut street, Harrisburg. Owners, Jennings Manufacturing Co., Harrisburg, Pa. Reinforced concrete and brick, 3 stories, 95x125 feet, 1 story, 36x125 feet, slag roof, electric lighting, waterproofing, oak floors, ventilators (heating reserved).

Telephone Exchange (alt. and add.), Wilkes-Barre, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Brick, stone and terra cotta, 2 stories, 154x35 feet, slag roof, steam heating, electric lighting, hollow tile partitions, metal lath, waterproofing, fire doors, metal sash, iron stairs. Architect taking bids, due July 28th. H. H. Burrell, 206 South Quince street, Philadelphia, is figuring.

School Building and alts., Narberth, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Narberth, Pa. Stone, 2 stories, 90x63 feet, slate roof, hollow tile partitions, concrete floors, safety treads, kalamein doors, ventilators, metal lath (heating, plumbing and electric work separate bids). Owners taking bids, due July 27. Loos & Dohard and Conneen Const. Co., 1827 Filbert street, Philadelphia, are figuring.

Theatre and Stores, Chester, Pa., \$200,000. Architects, Hoffman & Co., Finance Building. Owner, J. Fred Zimmerman, Hotel Bellevue-Stratford, Philadelphia. Brick, steel, concrete, terra cotta, 2 stories, 120x200 feet. Slag roof, steam heating, waterproofing, damp-proofing, fire doors, metal lath. Plans in progress. Architects will take bids about September 15th.

PENNSYLVANIA

Contracts Awarded

Residence and Garage (alt. and add.), Haverford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, James W. Oakford, Haverford, Pa. Stone and frame, 2½ stories, shingle roof, oak floors, metal weatherstrips, metal lath, dampproofing (heating and electric work reserved). Contract awarded to Millard N. Croll, Radnor, Pa.

Residence (adds.), Wyebooke, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Wm. M. Potts, Wyebooke, Pa. Stone, 2 stories, tile work, steam heating, electric lighting, hollow tile, parquet floors. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Residence, Penllyn, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, name withheld. Hollow tile and plaster, 2½ stories, 30x47 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Raff Construction Co., 1635 Thompson street, Philadelphia.

Dormitory and Refectory, Lancaster, Pa., \$100,000. Architects, Dillon, McLellan and Beadel, 3 W. Twenty-ninth street, N. Y. City. Owners, Reformed Church Theological Seminary, Rev. John C. Bowman, W. James street, Lancaster, Pa. Stone, 3 stories, 40x127 feet, and 1 story, 100x30 feet, slate roofs, vapor vacuum heating, electric lighting, oak floors, tile work, wire lath, metal doors, fire doors, hollow tile, kalamein doors. Contract awarded to H. L. Wiant, Lancaster, Pa.

Residence and Garage, Chester, Pa. Architects, Savery & Scheetz, Stephen Girard Build-

ing, Philadelphia. Owner, David B. McClure, Chester, Pa. Brick, stone trimmings, 2½ stories, 45x29 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work, hollow tile, dampproofing. Contract awarded to Flounders Bros., Media, Pa.

Dairy (alt. and add.), Newtown Square, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, C. Parry Vauclain, Newtown Square, Pa. Stone, 1 story, shingle roof, metal lath, cement floors. Contract awarded to W. H. Parlamann, Devon, Pa.

Residence (alt. and add.), Rosemont, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owner, Geo. H. McFadden, Rosemont, Pa. Slate roof, new heating system, electric lighting. Contract awarded to Frank E. Wallace, 1220 Chancellor street, Philadelphia.

High School, Robeson, Pa. Architect, E. Z. Scholl, 31 North Sixth street, Reading. Owners, Board of Education, Robeson, Pa. Brick, terra cotta and concrete, 2½ stories, 70x100 feet, slag roof, metal lath. Contract awarded to Beard Construction Co., Reading, Pa.

Oce Building (alts.), Reading, Pa., \$8,000. Architect, Geo. L. Gerhard, 516 Penn street, Reading. Owners, Pearson Estate, Reading, Pa. Brick, 4 stories, electric lighting, tile work. Contract awarded to Charles H. Schlegel, Reading, Pa.

Store Building (alt. and add.), Harrisburg, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Nathan Reidburg, Harrisburg, Pa. Brick, 3 stories, 40x70 feet, tin roof, steam heating, electric

lighting. Contract awarded to Horace Hipple, Harrisburg, Pa.

School, East Pennshore Township, Pa. Architect, M. I. Kast. Commonwealth Building,

Harrisburg, Pa. Owners, School Board, care of H. L. Hoffman, Lemoyne, Pa. Brick, 2 stories, 35x35 feet, slate roof. Contract awarded to W. E. Bushey, Lemoyne, Pa.

NEW JERSEY Construction News

Church, Trenton, N. J., \$25,000. Architects, Kleeman & Fowler, First Nat. Bank Building, Trenton. Owners, Gethsemane Baptist Church, Rev. C. P. Newton, 214 Garfield avenue, Trenton, N. J. Brick, 1 story, 62x34 feet, slate roof, steam heating, electric lighting. Architects taking bids.

Sewage Disposal Plant, Skillman, N. J. Architect, Geo. S. Drew, State Capitol, Trenton. Owners, N. J. State Epileptic Village, Skillman, N. J. Consists of terra cotta and iron pipe lines. Concrete tanks, etc. Owners have received bids.

Residence and Garage, Bridgeton, N. J., \$10,000. Architects, Moffett & Stewart, 30 N. Third street, Camden. Owner, John P. Leap, Pennsgrove, N. J. Hollow tile and stucco, 2½ stories, 49x42 feet, and 15x20 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors, metal lath, waterproofing. Architects have received bids.

Residence, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Chas. J. Allen, Moorestown, N. J. Hollow tile and plaster, 2½ stories, 60x100 feet, tile roof, hardwood floors, tile work, electric lighting (heating and plumbing reserved). Architect taking bids, due July 29th. The following are figuring: Geo. W. Shaner & Son, Palmyra, N. J.; J. S. Rogers Co., Moorestown, N. J.; and S. L. Maines, Moorestown, N. J.

Residence, Atlantic City, N. J. Architect, J. P. Kluges, 1012 Walnut street, Philadelphia. Owner, Wm. Riddle, Atlantic City, N. J. Hollow tile and plaster, 2½ stories, 40x47 feet, tile roof, hardwood floors, tile work, electric lighting (heating and plumbing reserved). Architect taking bids, due July 28th. The following are figuring: S. H. Headley, W. S. Higbee, C. P. Tilton, Abacus Const. Co., P.

G. Hannum, all of Atlantic City, and H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Sunday School, Camden, N. J. Architect, Geo. E. Savage, Witherspoon, Building, Philadelphia. Owners, Parkside M. E. Church, Camden, N. J. Brick and stone, 2 stories, 56x50 feet and 15x22 feet, slate roof, metal lath, steam heating, electric lighting. Architect has received bids.

Home (alt. and add.), Burlington, N. J. Architects, Henry Baechlin, Newark, N. J.; Chas. W. Oakley, Elizabeth, N. J., and F. Y. Parsons, Paterson, N. J. Owners, Masonic Home, Burlington, N. J. Brick, 4 stories, 238x82 feet, slate and slag roof, steam heating, electric lighting, tile work, metal lath, waterproofing, fire doors, kalamein doors, metal sash, fire escapes, elevator. Owners have received bids.

Sunday School, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owners, Moorestown Presbyterian Church, Moorestown, N. J. Stone, 1 story, slate roof, vapor heating, electric lighting. Plans completed. Architect ready for bids.

Power House, Vineland, N. J. Architect, private plans. Owners, Borough of Vineland, Vineland, N. J. Brick, concrete and steel, 1 story, 45x55 feet, slag roof, steel sash. Owners taking bids, due July 27. H. E. Baton, Twelfth and Sansom streets, Philadelphia, is figuring.

Church, Wildwood, N. J. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Ann's Roman Catholic Church, Wildwood, N. J. Stone, 1 story, 65x145 feet, slate roof, vacuum heating, electric lighting. Plans in progress. Architect will take bids in ten days.

NEW JERSEY Contracts Awarded

Church, Camden, N. J. Architect, private plans. Owners, Rosedale Baptist Church, Camden, N. J. Brick, 1 story, 60x61 feet, Ruberoid roof, hot air heating, electric lighting. Contract awarded to T. M. Moon, 117 North Thirty-sixth street, Camden, N. J.

Hospital (alt. and add.), Bridgeton, N. J., \$15,000. Architects, Custer & Seltzer, 304 Market street, Camden. Owners, Bridgeton Hospital, Bridgeton, N. J. Brick, 2 stories, 30x60 feet, slag roof, hot water heating, electric lighting, waterproofing. Contract awarded to H. H. Hankins & Bro., Bridgeton, N. J.

Electric Department Building, Camden, N. J. Architect, private plans. Owners, N. Y. Shipbuilding Co., Camden, N. J. Brick, 2 stories, 60x71 feet, asbestos roof, steam heating, electric lighting. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Portable Schools (5), Camden, N. J. Architect, private plans. Owners, Board of Education, Camden, N. J. Asbestos, 1 story, 49

x65 feet each, asbestos roof, hot air heating, electric lighting. Contract awarded to Asbesto-Crete Building Co., 1927 Market street, Philadelphia.

Market House, Camden, N. J. Architect, private plans. Owner, S. Girsh, 2014 North Thirteenth street, Philadelphia. Brick, 1 story, 21x62 feet, slag roof, electric lighting, concrete floors. Contract awarded to J. Rosc & Son, 5121 Brown street, Philadelphia.

Factory (add.), Trenton, N. J., \$22,000. Architect, private plans. Owners, John Bartley Crucible Co., Trenton, N. J. Brick and steel, 3 stories, 76x100 feet, slag roof, steam heating, electric lighting. Contract awarded to Lewis Lawton and Son, Broad St. Bank Building, Trenton, N. J.

The "Builders' Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.

Miscellaneous Construction News

Offices and Toilet Buildings, Wilmington, Del., \$15,000. Architect, J. D. Thompson, Jr., Ford Building, Wilmington. Owners, Wilmington Steel Co., Wilmington, Del. Brick, 1 story, 31x70 feet, 37x73 feet and 27x19 feet, Carey's roof, steam heating, electric lighting, concrete floors. Contract awarded to Harry S. Lynch, 715 Tatnall street, Wilmington.

College Buildings, Morgantown, W. Va., \$200,000. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, University of W. Va., State Board of Control, Charles-town, W. Va. Brick, stone, concrete and steel, reproof, 2 stories, agricultural building and dormitory building, steam heating, electric lighting, marble and tile work, metal lath. Plans completed. Owners ready for bids.

Hospital (alt. and add.), Wilmington, Del., \$40,000. Architect, L. W. Crawford, Equitable Building, Wilmington. Owners, Wilmington Homeopathic Hospital. Brick, terra cotta and concrete, 3 stories, concrete and composition roof, hot water heating, electric lighting, tile work, fire doors, dampproofing, metal sash. Architect has received bids.

Business Building, Clarksburg, W. Va. Architects, Holmbol & Lafferty, Clarksburg, W. Va. Owners, Hon. Nathan Goff, Clarksburg. Brick and reinforced concrete, 4 stories, 35x56 feet, composition roof, metal lath, waterproofing, composition floors ventilator, tile work, iron stairs (heating, plumbing and electric work reserved). Architects taking bids, due July 24th. Henry L. Brown, 1714 Sansom street, Philadelphia, is figuring.

Residence, Wilmington, Del. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, H. F. Brown, 800 Franklin st., Wilmington. Brick, 2½ stories. Details not yet decided. Plans in progress.

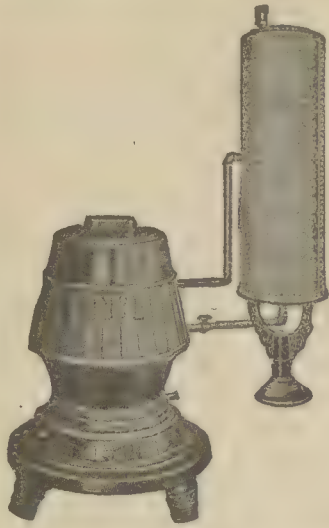
College Building (remodeling), Newark, Del., \$75,000. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware State College, Newark, Del. Stone and brick, 2 stories, fireproof floors, metal lath. Contract awarded to George & Borst, 277 South Eleventh street, Philadelphia.

Bank and Office Building, Wilmington, Del., \$800,000. Architects, Hoffman & Co., Finance Building, Philadelphia. Owners, Delaware Trust Company, Wilmington, Del. Limestone, granite, brick and steel, 73x210 feet, fireproof, slag roof, steam heat, waterproofing, damp-proofing, fire doors. Plans in progress. Architect will take bids about September 15.

Dormitory Building, Newark, Del. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware State College, Newark, Del. Brick, fireproof, marble trim, 2 and 3 stories, 30x200 feet. Hollow tile, metal lath, slate roof, steam heating, electric lighting. Plans in progress. Architects will take sub-bids in three weeks.

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MARYLAND Construction News

Apartment House. Reisterstown road, near Pimlico road, \$200,000. Architect, George R. Callis, Jr., 218 East Lexington street, Baltimore. Owner, Samuel Leibowitz, 2706 Reisterstown road, Baltimore. Brick and stone. Plans in progress. Too early for details.

School (add.). Eastern avenue and Linwood avenue, Baltimore, \$100,000. Architect, A. C. Leach, 323 North Charles street, Baltimore. Owners, City of Baltimore. Brick, 3 stories, slate or slag roof, steam heating, electric lighting, plumbing, tile work. Plans in progress.

Residence and Garage (alt. and add.). Oakington, Md., \$28,000. Architect, C. N. Friz, Munsey Building, Baltimore. Owner, Commodore Leonard Richards, care of architect. Residence, stone, general remodeling, steam heating, electric lighting, refrigerating plant, hardwood floors, tile baths; garage, brick, stone. Builder, John F. Kunkel, 29 South Linwood avenue, Baltimore, will be ready for bids in about ten days.

Residence. Whitfield road, Guilford, Md. Architect, L. H. Fowler, 347 North Charles street, Baltimore, Md. Owner, Dr. Thomas R. Brown, 19 West Biddle street, Baltimore. Hollow tile and stucco, 2 stories, 32x85 feet, slate roof, hot water or vapor heating, electric lighting, plumbing, concrete work. Architect ready for bids.

Factory. Clement and Woodall streets, Baltimore. Architects, G. E. Painter Co., 324 North Charles street, Baltimore. Owners, Baltimore Enamel and Novelty Co., on premises. Brick, 2 stories and basement, 177x411 feet, plastic roof, concrete floors, skylights, steel rolling door, dumbwaiter (electric lighting, furnaces, heating and plumbing reserved). Revised plans in progress.

Hotel. Baltimore and Howard streets, Baltimore. Architects, Wyatt & Nolting, Keyser Building, Baltimore. Owners, Baltimore Hotel Co., care of Howard Hotel, Baltimore, Md. Brick, steel and concrete, 14 stories, 75x172 feet, limestone and terra cotta trimmings, electric elevators, electric wiring, steam heat-

ing, interior marble, tile and terrazzo work, copper and galvanized iron work, roof garden. Plans in progress.

Power Plant. East Monument street, Baltimore, Md. Architect, private plans. Owners, Consolidated Gas and Electric Co., Liberty and Lexington streets, Baltimore. Brick and concrete, 1 story, 40x100 feet. Owners will take sub-bids on all lines.

School (add.). Glen Burnie, Md. Architect, H. G. Crisp, Calvert Building, Baltimore. Owner, J. Clayton Spetler, care of Wise Bros., 132 West Fayette street, Baltimore. Brick, 2 stories, 99x30 feet, slate roof, steam heating, marble work, cement work, dampproofing, copper flashing, galvanized iron, slate blackboards (electric work reserved). Architects taking bids, due July 27th. The following are figuring: J. L. Robinson Co., 218 East Lexington street; Hy. S. Rippel, 7 Clay street; Singer-Pentz Co., 600 Equitable Building; Charles Herbold & Son, 2768 West North avenue; John H. Geise & Co., Brooklyn, Md.; E. Eyring & Son, 800 South Third street; Sweetser Linthicum, 217 St. Paul street; S. Berris, 3910 Duvall street, and E. Woodfall, Glenburnie, Md.

Garage (add.). 1005-21 North Eutaw street, Baltimore. Architect, Frederick Thomas, Gunther Building, Baltimore, Md. Owners, Standard Motor Car Co., F. S. Eliven, president, Baltimore, Md. Brick, 1 story, 100x150 feet, tile and tin roof, skylights, ventilators, fire doors, reinforcing steel, steel sash, hollow tile partitions, fire escapes (elevator, plumbing, heating, electric work and sprinkler system reserved). Architects taking bids, due July 28th. The following are figuring: M. C. Davis, 633 North Calvert street; J. Hy. Smith, 1426 Light street; Singer-Pentz Co., Equitable Building; John Hiltz & Son, 3 Clay street; Consolidated Eng. Co., Calvert Building; A. F. West, 15 East Fayette street; Hy. Smith & Sons, Light and German streets, Baltimore, Md., and W. G. Gischael, Brooklyn, Md.

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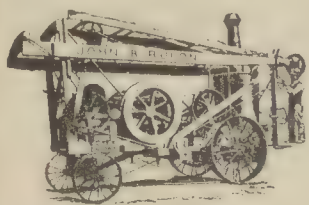
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School (alts. and add.), Govans, No. 5. Architects, Smith & May, 113 Calvert Building, Baltimore, Md. Owners, Board of Education of Baltimore County, Md. Brick, 3 stories, slag and tin roof, steel, concrete work, dampproofing, reinforced concrete, terra cotta, metal ceilings, metal work (heating, ventilators and electric lighting reserved). Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Office Building, Curtis Bay, Md. Archi-

teets, Archer & Allen, 1 East Lexington st., Baltimore. Owners, Baltimore Car and Foundry Co., on premises. Brick and concrete, 2½ stories, 125x51 feet, slag roof, wire latn, concrete and cement floors, reinforced concrete, waterproofing and dampproofing, hollow block partitions, steel windows, fireproof floors, terrazzo floors, granite and limestone work. Contract awarded to B. F. Bennett Building Co., 123 South Howard street, Baltimore, Md.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Temporary Construction Buildings, Cost, \$14,000. Eight buildings, Ninth and Bigler streets. Eight buildings, Sixth and Pollock streets. Four buildings, Lancaster avenue, w. of Fifty-sixth street. Penna. R.R. Co. (O and C), Broad Street Station. Frame and steel, various sizes.

Residences (4), Bermuda, north of Church street. Cost, \$10,400. Andrew F. Petner (O and C), 4570 Bermuda street. Brick and stone, 2 stories, 16x57 feet, slag roof, hot water heat.

Store and Residence, 906-8 South Eighth street. Cost, \$8,500. M. & G. Cortese (O), on premises. J. Gorchov (C), 4116 Girard avenue. Brick, 3 stories, 15x26 feet, slag roof, hot water heat.

Residences (6), Sixteenth street and Wyoming avenue. Cost, \$14,400. G. W. & R. R. Zane (O and C), on premises. Brick, 2 stories, 15x29 feet, slag roof, hot water heating.

Store and Dwelling, northeast corner Fifteenth and Reed streets. Cost, \$3,500. Philip Santa Maria (O), on premises. Rocco Pavis & Son (C), 918 Kimball street. Brick and stone, 3 stories, 18x37 feet, slag roof, hot water heat.

Garages (5), 5914 Torresdale avenue. Cost, \$1,000. J. Phillip Keck (O), 5916 Torresdale avenue. Lewis Deitrich (C), 3016 Comly st. Brick, 1 story, slag roof, cement floors.

Garage, rear of 812 South Third street. Cost, \$370. Horace A. Sterling (O), on premises. J. B. Emery (C), 1803 South Fifteenth street. Brick, 1 story, 15x16 feet.

Dwelling, Linden avenue, east of Walker street. Cost, \$900. A. W. Corney (O), 5756 Leonard street, Frankford. W. J. Chase & Son (C), Ashton and Holmesburg roads. Frame, 2 stories, 20x14 feet, slag roof.

Bank and Office Building, 1431-3 Chestnut street. Cost, \$115,000. Logan Trust Co. of

Philadelphia (O), 1431 Chestnut street. Geo. A. Fuller Co. (C), 1130 Widner Building. Brick, stone and steel, 4 stories, 42x30 feet, slag roof, steam heat.

Residences (3), 1500-2-4 Ruscomb street. Cost, \$6,900. G. M. Stroman (O and C), 2724 North Fifth street. Brick, 2 stories, 16x30 feet, slag roof, hot water heat.

Residence, 4923 North Sixteenth street. G. M. Stroman (O and C), 2724 North Fifth streets. Cost, \$45,000. Everett Cummins (O), 503 Chestnut street. Acetylene Gas & Const. Co. (C), 503 Chestnut street. Brick and terra cotta, 4 stories, 70x30 feet, slag roof, steam heat, fire tower.

Garage, Sixty-fifth avenue, east of Thirtieth street. Cost, \$400. Wm. J. Allen (O), Sixty-fifth avenue and Camac street. Edward B. McCall (C), Sixty-fifth avenue and Park avenue. Frame, 1 story, 12x18 feet, slate roof, cement floors.

Public School, northwest corner Cumberland and Amber streets. Cost, \$332,927. Board of Education (O), Nineteenth and Market streets. Thomas Reilly (C), 1616 Thompson street. Brick and reinforced concrete, stone trimmings, 3 stories, 322x136 feet, slag roof, fire tower.

Apartment House, Twenty-third and Pine street. Brick, 2 stories, 16x30 feet, slag roof, hot water heat.

Residence, Kip and Westmoreland streets. Cost, \$4,000. M. L. Wilkey (O), B and Westmoreland streets. Elmer B. Hampton (C), 12 W. Rockland street. Brick and stone, 3 stories, 24x34 feet, hot water heat.

School, Taney street, east of Thompson street. Cost, \$2,900. Board of Education (O), Keystone Building. E. C. Durrell (C), 1713 North Twenty-fourth street. Portable iron building, 1 story, 22x32 feet.

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Alterations and Additions

Chimney, Sixth street and Tabor road. Cost, \$1,650. Phila. Textile Machinery Co. (O), on premises. Alphous Custodis Chimney Co. (C), Pennsylvania Building. Radial brick, 125 feet high.

Dwelling, 1135 Watkins street. Cost, \$500. Pasquale Fortaglio (O), on premises. John Ermelio (C), 1926 Jessup street. 2 stories, brick, 11x14 feet, slag roof.

Dwelling, 1420 North Sixteenth street. Cost, \$300. J. A. Short (O), on premises. F. S. Patton (C), Forty-fourth and Lancaster avenue. New brick front.

Dwelling, 2013 Diamond street. Cost, \$2,500. Dr. C. Kantz (O), 2011 Diamond st. F. A. Havens Co. (C), 845 North Nineteenth street. 1 story brick addition and interior alterations.

Garages (2), rear of 1660 Fillmore street. Cost, \$450. Harry J. Beck (O and C), on premises. 1 story, brick, 12x24 feet.

Manufacturing Building, Lewis street, east of Tacony street. Cost, \$800. Wm. and Harry Rowland, Inc. (O and C), Tacony street, Frankford. Frame, 36x40 feet, corrugated iron roof.

Wood Tank, northwest corner Orchard and Van Dyke streets. Cost, \$600. Frankford Waste Co. (O and C), on premises.

Dwelling, 1720 Foulkrod street. Cost, \$2,250. Mrs. Kathryn Baker (O), 1722 Foulkrod street. Wm. C. De Maris (C), 1739 Fillmore street. Brick, 2 stories, 166x32 feet.

Fire Escape, 1701 Poplar street. Cost, \$400. C. A. P. A. Association (O), on premises. John Baizley Iron Works (C), 514 South Delaware avenue.

Dwelling, 619 South Tenth street. Cost, \$700. Rose Steinhart (O), Atlantic City, N. J. Samuel Lazarus (C), 2004 North Twenty-first street. Brick, 2 stories.

Heater, 261 South Seventeenth street. Cost, \$1,128. Dr. F. O. Lewis (O), on premises. James Speer Co. (C), 1823 Market st.

Dwelling, 706 Fitzwater street. Cost, \$460. Michael Firaci (O), on premises. S. Romano & Son (C), 1010 Fitzwater street. Brick, 1 story, and interior alterations.

Garage, 2033 South Bancroft street. Cost, \$1,500. Wm. Steward (O), 2030 South Sixteenth street. Chas. G. Seidel (C), 2524 South Juniper street. Brick, 1 story, 64x44 feet, slag roof.

Saloon, southwest corner D and Ontario streets. Cost, \$750. Jeremiah Troohig (O), 650 E. Indiana avenue. John A. Engel (C), 3006 North Fifth street. Brick, 2 stories, 10x15 feet.

Store, 2744 Germantown avenue. Cost, \$590. M. Bear (O), 1532 North Thirteenth street. Baseh & Co. (C), 1436 South Third street. New front and partitions.

Garage, 803 Waverly street. Cost, \$350. Estate of John T. Morris, (O), 826 Pine street

Ewing & Endelbrock (C), 1942 De Lancey street. New brick front.

Factory Building, northwest corner Sixty-first and Lombard streets. Cost, \$1,500. A. F. Dry Cleaners & Dyers (O), on premises. L. W. Zell (C), Cardington, Pa. Brick, 1 story, 17x55 feet, slag roof.

Tanks (2), Eighteenth and Hamilton sts. Cost, \$5,500. Baldwin Locomotive Works (O), Broad and Spring Garden streets. Pittsburgh-Des Moines Steel Co. (C), Pittsburgh, Pa. Steel on steel towers, 25 feet high.

Tank, Bermuda, south of Tucker street. Cost, \$5,000. Barrett Co. (O), Frankford, Pa. Pittsburgh-Des Moines Steel Co. (C), Pittsburgh, Pa. Steel on steel tower, 120 feet high.

Store and Dwelling, northwest corner Third and Carpenter streets. Cost, \$800. Ellwood Becker (O), Fourth and Pine streets. E. M. Evans (C), 321 South Lawrence street. General repairs.

Dwelling, 4410 Wallace street. Cost, \$300. Most Rev. Archbishop Prendergast (O), Eighteenth and Race streets. W. W. Doyle (C), 878 North Forty-sixth street. Brick, 1 story.

Store, 1424 Glenwood avenue. Cost, \$800. Mrs. S. Fossler (O), 1427 Rush street. H. P. Werner (C), 3245 Germantown avenue. Brick, 1 story, 16x16 feet, new bulk, slag roof.

Store and Dwelling, 2806 Germantown avenue, \$450. F. Straub (O), on premises. H. P. Werner (C), 3245 Germantown avenue. Brick, new skylight, 3x22 feet.

Stores and Offices, 812-4 Chestnut street. Cost, \$950. Allen Read Estate (O), care Land Title & Trust Co., Broad and Chestnut streets. H. L. Roberts (C), 228 North Sixteenth street. New steam heating.

Carriage Shed, rear 489 North Third street. Cost, \$1,500. A. Geissel & Sons (O), 489 N. Third street. Koelle, Speth & Co. (C), Twenty-sixth and Oxford streets. Brick, 1 story, 38x56 feet, slag roof.

Gymnasium and Class Room, northwest corner Norwood and Chestnut avenue, Chestnut Hill. Cost, \$3,050. Mrs. Chapman (O), on premises. Alexander Caie (C), 48 E. Chestnut avenue, Stone, 2 stories, 15x37 feet, tin roof.

Office Building, southeast corner Twenty-fifth and Sedgley avenue. Cost, \$500. Christian Bartle (O), 2303 North Twenty-sixth st. R. McGlathery (C), 2306 North Twenty-sixth street. Brick, 1 story, 30x20 feet.

Factory, Tioga, east of Tenth street. Cost, \$3,000. Thos. Turner (O), 3441 Old York road. H. P. Werner, 3245 Germantown avenue. Brick and stone, 1 story, 41x72 feet. Addition, 20x35 feet, slag roof.

Store and Dwelling, 1721-3 E. Passyunk avenue. Cost, \$3,400. Wm. Corn (O), on prem-

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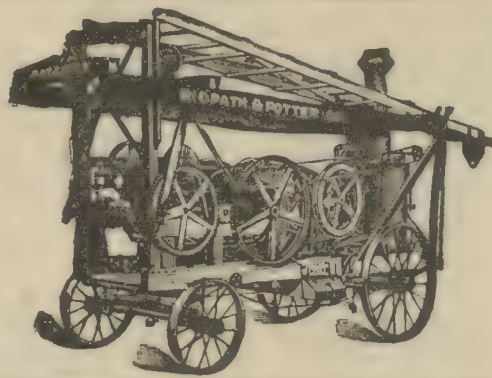
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Motion Picture Theatre, 903-5-7 N. Sixth street. \$17,000. Owner's name withheld. Freund-Siedenbach Co. (C), 307 Bulletin Building. Brick and stone, 1 story, 48x60 feet, reinforced concrete floors and roof.

Dwelling, 3305 Parkside avenue. Cost, \$1,000. S. C. Beecher (O), 3652 North Broad street. A. B. Millett (C), 1903 Venango st. Brick, 1 story, 12x12 feet, slag roof, hot water heat.

Store and Dwelling, 6210 Lansdowne avenue. Cost, \$1,000. Solomon Fountain (O), 4227 Lancaster avenue. F. Esbionson, 1700 North Sixtieth street. Brick, 2 stories, 12x16 feet, slag roof.

Garage, southeast corner Sixty-first and Lombard streets. Cost, \$3,500. J. F. Lomax (O), 6045 Lombard street. Alonzo Steinmetz (C), 6155 Chancellor street. Brick, 1 story, 20x36 feet.

Warehouse, 3429 Market street. Cost, \$2,000. P. H. Berman & Son (O), on premises. Ike Wolk (C), 422 Greenwich street. Brick, 1 story, 20x82 feet, cement floors.

Dwelling, 18 State street. Cost, \$375. J. Greenan (O), 4236 Powelton avenue. T. E. McGowan (C), 3930 Spring Garden street. Brick, 2 stories, 10x14 feet, slag roof.

Dwelling, 1316 Green street. Cost, \$400. T. Wilkinson (O), Toms River, N. J. W. H. Harrison Taylor (C), 2016 Brown street. New brick front.

Dwelling, 1318 Green street. Cost, \$400. W. W. Harrison (O), 119 North Eleventh st. W. H. Harrison Taylor (C), 2016 Brown st. New brick front.

Filter Hose, Belfield avenue and Walnut lane. Cost, \$500. Ice Mfg. Co. of Germantown (O), on premises. Wm. Linker Co. (C), 831 Cherry street. Brick, 1 story, 15x18 feet.

Store, 1209 Girard avenue. Cost, \$2,800. John Knoell (O), Broad and Allegheny avenue. J. D. Fisher (C), 5424 Thompson street. Brick, 3 stories, 4x40 feet, slag roof.

Store and Dwelling, 2815 Germantown avenue. Cost, \$1,500. Mary Travis (O), on premises. H. W. & M. A. Greene, 990 North street. Brick, 3 stories, 16x26 feet, 12x12 feet, 16x15 feet.

Store and Dwelling, 2817 Germantown avenue. Cost, \$500. Francis J. Brady (O), on premises. H. W. & M. A. Greene, 990 North street. Brick, 1 story, 9x12 feet.

Residence, 6419 Sherwood road. Cost, \$1,000. E. J. Hegeman (O), on premises. E. J. Kreitzburg (C), 1345 Arch street. Stone

and frame, 1 story addition, tile work, 10x8 feet.

Store and Dwelling, 6021 Market street. Cost, \$600. A. Doraic (O), on premises. Amy Garrison Const. Co. (C), 105 North Sixtieth street. Brick, 1 story, 12x13 feet, slag roof.

Apartment House, 4037 Baring street. Cost, \$2,000. E. E. Bratton (O), 121 South Thirty-ninth street. Bratton Co. (C), 121 S. Thirty-ninth street. Interior alterations, electric light, heating.

Louis & Abraham Victor (O), 5829 Market street. Columbia Cabinet Co. (C), 226 North Fifteenth street. Cost, \$870. Store and dwelling, 5829 Market street. New flush, bulk.

Union League (O), Broad and Sansom sts. Doyle & Co. (C), 1519 Sansom street. Club, southwest corner Broad and Sansom streets. Cost, \$8,000. New skylight, wash room, general repairs.

Mrs. Mary McGarvey (O), 728 North Forty-eighth street. Vanderbury Bros. (C), 5802 Pemberton street. Cost, \$1,000. Dwelling, 728 North Forty-eighth street. New porch and brick wall.

Frank S. Hale (O), southeast corner Master and Alden streets. Vanderbury Bros. (C), 5802 Pemberton street. Cost, \$300. Store and dwelling, southeast corner of Master and Alden streets. General repairs, brick.

Nuano Bros. (O), Twenty-second and Pine streets. Vanderbury Bros. (C), 5802 Pemberton street. Cost, \$800. Dwelling and store, 255 South Twentieth street. Brick repairs.

Frank Basta (O), 256 South Twelfth street. Manfredo Di Panfelo (C), 750 South Eleventh street. Cost, \$1,800. Store and dwelling, 256 South Twelfth street. Side addition, brick, 5x14 feet, slag roof.

Nick Di Trolio (O and C), 1523 South Juniper street. Cost, \$400. Rear addition, 2 stories, 12x12 feet, slag roof.

J. B. Gillin (O), Broad and Susquehanna avenue. George Kennington (C), 2435 North Hope street. Cost, \$775. Store, northwest corner of Broad and Susquehanna avenue. Brick window, gallery and general repairs.

Cookman M. E. Church (O), Twelfth and Lehigh avenue. Samuel Harting (C), 20 East Johnson street. Cost, \$3,000. Church, Twelfth and Lehigh avenue. Interior alterations.

Dr. Love (O), 315 Pine street. L. Swerloff (C), 2345 South Bulah street. Cost, \$500. Store and dwelling, 765 South Fourth street. New bulk and minor alterations.

Mr. and Mrs. Joseph Freedman (O), 6423 Woodland avenue. George V. Nichols (C),

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Upland, Pa. Cost, \$1,200. Dwelling, 6427 Woodland avenue. Brick addition, 2 stories, 15x12 feet, new bulks.

Harry Brockelhurst (O and C), 512 Norris street. Cost, \$300. Garage, 3620 North Randolph street. Brick pit, 12x12 feet.

Carl Greenfeld (O), 1210 North Fifty-second street. Otto G. Kuehnle (C), Opal and Glenwood avenue. Store and dwelling, 1210 North Fifty-second street. Cost, \$325. Brick kitchen, 13x10 feet, 1 story, slag roof.

J. P. Wilson (O), Second and Pine streets. H. C. Dahl (C), 231 South Eighth street. Cost, \$350. Store, 311 South Second street. Repairs.

J. Rigelhoft (O), Ridge avenue and Lemont street. James King (C), 6462 Ridge avenue. Cost, \$300. Garage, west side Lemont, 150 feet west of Ridge avenue. Brick, 1 story, 12x18 feet.

Kahn & Greenhugh (O), 309 Morris Building. B. Bornstein (C), 1510 North Franklin street. Cost, \$15,000. Factory, 918 North Broad street. Brick, 2 stories, 36x160 feet.

D. Newman (O), 4562 Merion avenue. Stites & Stites (C), 2500 Poplar street. Cost, \$3,600. Storage building, 4558 Merion avenue. Brick, 2 stories, 22x60 feet, slag roof.

Willard Graham (O), 7420 Sprague street. Frank G. English (C), 1608 North Carlisle street. Cost, \$2,000. Dwelling, repair fire damage, 7420 Sprague street.

Samuel Henderson, Atty. (O), northwest corner Twenty-second and Chestnut streets. Samuel Henderson (C), 403 Morris Building. Apartment house, northwest corner Twenty-second and Chestnut streets. Ninth story, 38x64 feet, fireproof.

B. R. Hoffman (O), Sixtieth and Cobb's Creek Boulevard. Jacob Bierling (C), 3823 Baring street. Cost, \$500. Four dwellings, 6100-2-4-6 Cedar avenue. Alterations to porches.

Southwark Neighborhood Association (O), Front and Ellsworth streets. Wilbert O. Springer (C), 1624 Latimer street. Cost, \$2,500. Neighborhood house, northwest corner Front and Ellsworth streets. Interior alterations, new stairs, toilets, showers, etc.

Simon Ruben (O), 531 South Eleventh st. A. Rubin (C), 1127 Thompson street. Cost, \$700. Store and dwelling, 617 North Third street. New bulk.

Sam Arsenian (O), Fifteenth and Walnut streets. H. Sadjian (C), southeast corner of Fifty-seventh and Vine streets. Cost, \$4,000. Storage house, 44 North Tenth street. Four-story brick building, new towers, fire escape.

Edwin S. Armstrong (O), 139 North Sec-

ond street. Thomas M. Seeds, Jr. (C), 1207 Race street. Cost, \$2,200. Business building, 139 North Second street. Repair fire damage.

Joseph J. Regan (O), 5540 Pearl street. John Welsh (C), 138 North Seventeenth st. Cost, \$800. Shop, 255 North Juniped street. New rear addition, 16x20 feet.

Frank P. Mellon Estate (O), Bryn Mawr, Pa. George C. Dougherty (C), 1725 Ludlow street. Cost, \$10,000. Warehouse, 1627 Sansom street. New front, fire tower, brick.

Henry L. Stilwell (O and C), 5130 North Thirteenth street. Cost, \$500. Store and garage, north side of Windrem avenue, west of Thirteenth street. Brick addition, 1 story, 50x16 feet.

Frank Vinto (O), northeast corner Eighth and Wharton streets. Donato C. Bur (C), 809 South Eighth street. Cost, \$1,900. Store and dwelling, southeast corner Eighth and Wharton streets. Two flush bulk windows and general alterations.

Max M. Shapiro (O), 1829 North Thirty-third street. Joseph Levin Co. (C), 1550 South Sixth street. Cost, \$900. Dwelling, 1829 North Thirty-third street. Interior alterations.

Girard Estate (O), Philadelphia. Thomas Little & Son (C), 1713 Moravian street. Cost, \$430. Warehouse, 26 North Front street. Division walls and repairs.

Tunnell & Co. (O), 15 North Fifth street. Wilbert O. Springer (C), 1624 Latimer street. Cost, \$2,000. Engine house, Wheatsheaf lane and Gaul street. Power house, 18x34 feet, brick, concrete and steel.

William Frichofer (O), Twentieth and Indiana avenue. Ketcham & McQuade (C), 1029 Brown street. Cost, \$6,000. Moving picture theatre, north side of Market street, west of Fifty-ninth street.

Commonwealth Trust Co. (O), Twelfth and Chestnut streets. B. P. Evans & Co. (C), Thirteenth and Wallace streets. Cost, \$3,200. Store and offices, southeast corner of Eighth and Arch streets. Brick, slag roof, metal cornice, general alterations.

Emanuel Spitz Estate (O), 3216 Columbia avenue. Paul G. Schroeder (C), 910 Jefferson street. Cost, \$400. Garage, 3217 Nicholas street. Brick, 1 story, 19x18 feet, slag roof.

D. Strilko (O and C), on summary. Cost, \$700. Store and dwelling, 1314-16 East Passyunk avenue. Removing party wall and general alterations.

Walter E. Masterson (O and C), 3169 Belgrade street. Cost, \$400. BBrick rear addition, 2 stories, 12x10 feet.

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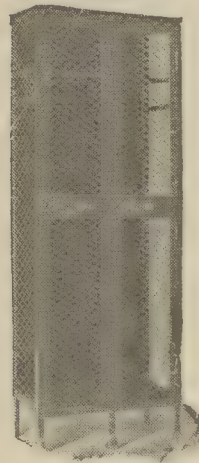


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Eastwick avenue. John Scholtz (C), Eighty-eighth and Eastwick avenue. Cost, \$925. Dwelling, East Eighty-eighth street, north of Eastwick avenue. Rear addition, 14x17 feet, 2 stories, brick.

Mrs. Elizabeth Burk (O), 4236 Old York road. Alfred Steinhauer (C), 5424 North Fifth street. Cost, \$600. Dwelling, 4236 Old York road. Brick kitchen, 10x16 feet.

George Akroyd (O), 256 East Horter street. R. W. Neff (C), 6610 Germantown avenue. Cost, \$700. Carpenter shop, rear 258 East Horter street, Mt. Airy. Brick, 1 story, 16x35 feet.

Mike Bernstein (O), 1608 Point Breeze avenue. Samuel S. Schultz (C), 1137 North Fortieth street. Cost, \$1,500. Store and dwelling, 1608-1610 Point Breeze avenue. Rear addition, brick, 2 stories, 16x40 feet and 13x12 feet.

Mrs. W. Armstrong (O), 3709 Baring street. Warren E. Biscoe (C), 3954 Ludlow street. Cost, \$350. Dwelling, 3704 Baring street. Brick walls.

Joseph Herman (O), 3938 Elser street. McLoughlin & McNomard (C), 3973 Elser street. Cost, \$600. Dwelling, 3938 Elser street. Brick kitchen, 16x13 feet, 1 story, slag roof.

Dr. Wright (O), 1618 North Fifteenth st. William Harrison (C), 2569 Carlisle street. Cost, \$700. Garage, 1618 North Fifteenth st. Rear addition, brick, 1 story, 23x16 feet.

Pennsylvania Co. (O), 513 Chestnut street. Louis J. Hommer & Son (C), 2436 Brown street. Cost, \$1,500. Store and dwelling, 412 South Broad street. Installation of hot water boilers.

Henry Diston Sons Co. (O), Tacony, Pa. Michael Magee & Co. (C), 1600 North Front street. Cost, \$1,600. Hospital dispensary, Knorr and Wissinoming street, Tacony. Addition, 1 story, 20x20 feet.

Philadelphia Felt Co. (O), Frankford, Philadelphia. J. A. Hand (C), 8029 Frankford avenue. Cost, \$12,000. Manufacturing building, south of Frankford Creek, west side of Powder Mill lane. Brick addition, 4 stories, 54x40 feet.

P. W. Kiefaber (O), 419 New Market st. George Kessler Cont. Co. (C), 931 Drexel Building. Cost, \$1,000. Warehouse, 418 New Market street. Repair fire damage.

Strawbridge & Clothier (O), Eighth and Market streets. Stacey Reeves & Sons (C), 2011 Market street. Cost, \$1,000. Department store, 817-823 Market street. Metal window frames and iron shutters, metal skylight.

L. H. Leedom (O), 5900 Walnut street. James M. Holm (C), 5556 Arch street. Cost, \$2,875. Garage, 202, 204 South Fifty-ninth street. Brick, 1 story, 16x96 feet, slag roof.

Kahn & Greenburg (O and C), 309 Morris Building. Cost, \$150,000. Factory, northwest corner of Twenty-third and Market streets. Concrete, 5th and 6th stories, 395x220 feet.

George Moos (O), 2306 North Fourth street. Joseph Pfau (C), 2255 North Fifth street. Cost, \$375. Dwelling, 2306 North Fourth street. Rear addition, brick, 2 stories, 8x9 feet, slag roof.

John McBride (O), Broad and Moyamensing avenue. H. D. Prettyman (C), 23603 South Broad street. Saloon and dwelling, southeast corner of Broad and Moyamensing avenue. Brick front walls and bulk.

Board of Education (O), Keystone Building. E. C. Durell (C), 1713 North Twenty-fourth street. Cost, \$4,000. School, southeast corner of Twenty-second and Ontario streets. General repairs, brick.

Joseph Berman (O), 1519 South Seventh street. J. Ostroff (C), 364 Snyder avenue. Cost, \$700. Store and dwelling, 1519 South Seventh street. New bulk.

Louis Coggiano (O and C), southwest corner of Thirteenth and Moore streets. Cost, \$400. Store and dwelling, southwest corner of Thirteenth and Moore streets. Two flush bulks.

Eugene McGuekin (O), 634 West Upsal street. Thomas M. Seeds, Jr., Co. (C), 1207 Race street. Cost, \$2,500. Dwelling, 634 West Upsal street, Germantown. New porch, stone, and general interior alterations.

Elizabeth Bins (O), 1659 North Sixtieth street. Frank I. Wentz (C), 1618 North Twenty-seventh street. Cost, \$5,500. Garage, 1544-46 North Redfield street. Brick, 1 story, 51x90 feet, slag roof.

M. Stern (O), 1737 Lombard street. J. Bender (C), 1817 South Fourth street. Cost, \$500. Store and dwelling, 1737 Lombard st. New bulk.

R. P. Hooper (O), 138 West Carpenter street. Roydhouse-Arey Co. (C), 112 North Broad street. Cost, \$1,000. Dwelling, 138 West Carpenter street, Germantown. General alterations.

Henry Pepper, Land Title Building. Brownworth & Co. (C), 1611 Sansom street. Cost, \$500. Dwelling, 241 South Ninth street. Fire escape.

E. H. Brooks, Jr. (O), 643 Land Title Building. Chris. Hoffman (C), 210 Dickinson street. Cost, \$700. Dwelling, 1018 Spruce street. Fire escapes and fireproofing.

M. Bauder (O), 805 Spruce street. Chris. Hoffman (C), 210 Dickinson street. Cost, \$650. Dwelling, 805 Spruce street. Fire escape and fireproofing.

Board of Education (O), Nineteenth and Chestnut streets. Mitchell Bros. (C), 2125 Race street. Cost, \$2,090. School, Thirty-sixth and Ludlow streets. General alterations.

Benj. Rose (O), 2019 South Third street. Charles H. Rutherford (C), 3805 Haverford avenue. Cost, \$600. Store, 2019 South Third street. Brick addition, 2 stories, 11x13 feet, new bulk.

John Lennon (O), 322 Vine street. David F. Woodoth (C), 216 Quarry street. Cost, \$300. Shop, 406 Vine street. Repairs.

Baugh & Sons Co. (O and C), Morris street wharf. Cost, \$20,000. Storage building, Morris street wharf, Delaware avenue. Brick addition, 1 story, 137x172 feet.

Anton Torney (O), 63 Conestoga street. John Humphies (C), 2338 Germantown avenue. Cost, \$530. Store and dwelling, southeast corner of Arch and Conestoga streets.

H. R. Crowley (O), 533 North Thirteenth street. Charles V. Allston (C), 521 North Twentieth street. Cost, \$700. Apartment house, 2022 Spring Garden street. Steam heating system.

Right Rev. Edward F. Prendergast (O), Eighteenth and Race streets. James M. Tighe Co. (C), 245 North Eleventh street. Cost, \$10,320. Church, southwest corner of Edmund and St. Vincent streets. Stone, 1 story, 40.6x81.6 feet.

Dr. John Heck (O), 958 North Fifth street. Frank A. Stoll (C), 1432 Germantown avenue. Cost, \$500. Dwelling, 958 North Fifth street. Brick kitchen, 1 story, 14x10 feet.

George D. Ellis (O), 2140 Catharine street. James D. Ellis (C), 1346 South Sixteenth street. Cost, \$300. Garage, Manning street, east of Fifteenth street. Brick wall and interior alterations.

J. Jacobey (O), 508 North Eighth street. Charles C. Judson (C), 809 Green street. Cost, \$975. Store and dwelling, 508 North Eighth street. New bulk, new stairway.

M. B. Hurley (O), Newtown Square, Pa. P. J. Hurley (C), 1233 Cherry street. Cost, \$1,800. Apartment house, southwest corner

of Thirty-fourth and Spring Garden streets. Exterior alterations, rear stairs.

Board of Education City of Philadelphia (O), 587 City Hall. Percival M. Sax (C), 812 Heed Building. Cost, \$20,000. Play house, Front and Carpenter streets. Wading pool and shelter, brick, 1 story, 48x42 feet.

Bell Telephone Co. (O), Seventeenth and Arch streets. F. W. VanLoon (C), Eleventh and Market streets. Cost, \$13,000. Fire tower, 406 Market street. Brick and reinforced concrete, 2 stories, 16x15 feet.

Samuel S. Artlin & Thomas S. Artlin (O), 44 North Tenth street. Connor Bros. (C), 5136 Spruce street. Cost, \$1,000. Turkish bath house, 33 North Tenth street. Steam heating system, boiler and storage tank.

Frank Hult (O), 4825 North Camac street. William Buckley (C), 2603 North Sixth street. Cost, \$750. Dwelling, 4825 North Camac street. General repairs and minor alterations.

G. C. Seidel (O), northeast corner of Fourth and Callowhill streets. Philadelphia Poster Ad Co. (C), 814 Walnut street. Cost, \$400. Sign, 5019 North Broad street, 14x200 feet.

C. B. Pesctoe (O), 26 North Sixth street. A. Schestaek (C), 528 Reed street. Cost, \$14,000. Factory, 216-18 South Third street. Fire repairs.

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 1, 1916.—Sealed Proposals will be opened in this office at 3 P. M. August 28, 1916, for the extension, remodeling, etc., of the United States Post Office and Custom House at Nashville, Tenn. Drawings and specifications may be obtained after July 15, 1916, from the Custodian at Nashville, Tenn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 15, 1916.—Sealed proposals will be opened in this office at 3 P. M., August 25, 1916, for the construction complete of the United States Post Office at Ashland, Ohio. Drawings and specifications may be obtained after July 27, 1916, from the Custodian of site at Ashland, Ohio, or at this office, in the discretion of the Acting Supervising Architect. James A. Wetmore, Acting Supervising Architect.

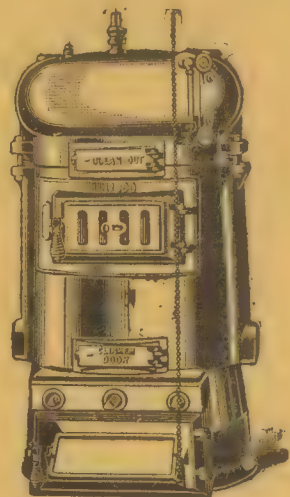
TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 15, 1916.—Sealed proposals will be opened in this office at 3 P. M., September 19, 1916, for the construction of the United States Post Office at Warrenton, Va. Drawings and specifications may be obtained from the Custodian of the site at Warrenton, Va., or at this office, in the discretion of the Supervising Architect. Drawings and specifications will be ready for delivery after August 8, 1916. James A. Wetmore, Acting Supervising Architect.

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Lehigh Portland Cement Co., Penna. Bldg., Phila.
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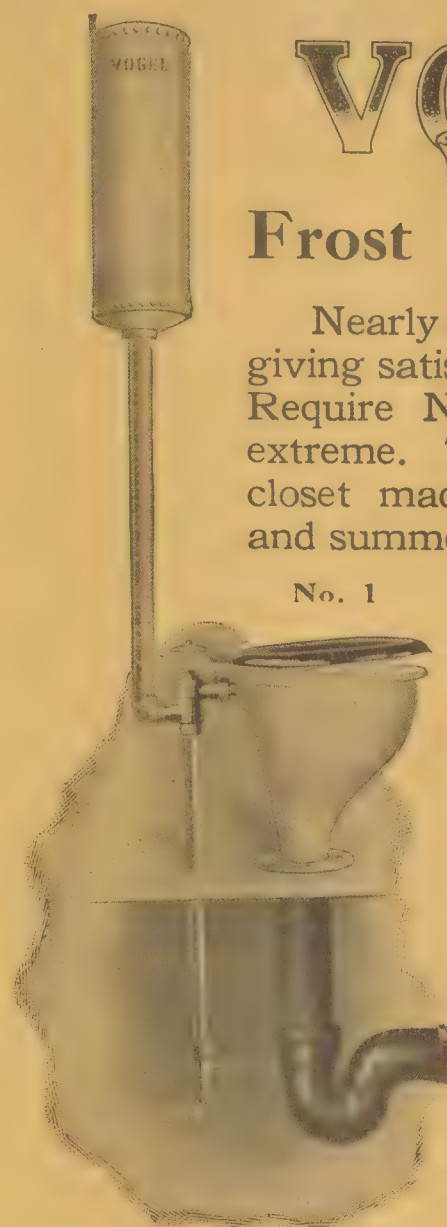
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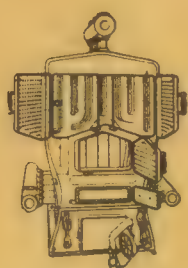
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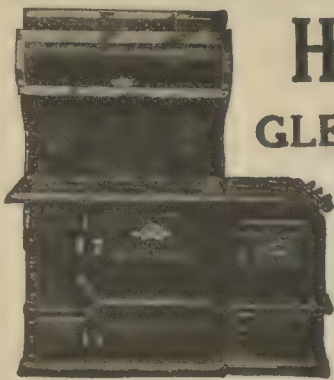
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BUILDERS' GUIDE

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VOLUME XXXI
Number 31

PHILADELPHIA
August 2, 1916



As The Editor Sees It



Prosperity and Building Volume.

THERE is no safer gauge of the prosperity of a country than the volume of money its people are able to put into new building. The average man builds either when money is plentiful or when trade conditions are such as to make the investment look like a good gamble. To pay for the buildings projected in ninety-seven cities of the United States during one month of the present year, the month of June, would require more than \$61,000,000. This applies to new buildings only and does not take into account a sum equally as great for other forms of structural development such as bridges, new roads, underground work, railroad extensions and wharf and pier building.

According to Bradstreet's Journal new buildings planned in ninety-seven cities will cost \$61,304,209, which is a gain of 56 per cent. over June a year ago, as against a gain of 35.8 per cent. in May over the like month of 1915. Of the ninety-seven cities reporting, sixty-two show increases and thirty-five report decreases from the like month of 1915.

Among the large cities making notable gains in June were New York City (three boroughs reporting), with an increase of 140 per cent.; Philadelphia, 32.8 per cent.; Cleveland, 15.2 per cent.; Detroit, 85 per cent.; Portland, Ore., 113.7 per cent.; Chicago, 45 per cent., and Los Angeles, 4 per cent. Important cities showing decreases were Bridgeport, 33 per cent.; Rochester, 31.7 per cent.; Toledo, 21.9 per cent.; St. Louis, 31.4 per cent.; Seattle, 29 per cent., and Boston, half of 1 per cent.

Building in the second quarter of 1916 shows a very large total, \$266,163,370, as against \$193,689,520 in the first quarter, a gain of 32 per cent. for the second three months, as against an increase of 18 per cent. in the first quarter. Expen-

ditures for the half year aggregate \$459,852,890, a gain of 26 per cent. over the like period last year.

* * *

The Year in Building.

THIS year, despite the high costs of all materials and labor, partly, perhaps, because of these high prices, the expenditures for such purposes have seen all previous monthly totals surpassed, while those for the half year about equal those of 1909, the earliest year giving identical comparisons for 120 cities.

These returns point naturally to the possession of a hitherto unprecedented volume of floating capital available for transference into what might be termed a fixed form.

Returns for June are sufficiently complete to allow of a fairly good resume of the year's building activities to date, and it is safe to say that the last six months have seen a close to high record total of building expenditures.

According to the figures 138,200 permits were recorded in the first half of the year at 141 cities, a gain of 2.8 per cent. over the like period of 1915. In the same period the expenditures of the 141 cities aggregated \$470,801,820, a gain of 27.6 per cent.

Every group of cities showed gains in value of building, these ranging from an increase of 57.3 per cent. in the Northwest to only 6 per cent. in the Southwest.

The middle group, which includes New York City, gains 20 per cent. in expenditures while decreasing 4 per cent. in permits. The Southwestern and the Far Western cities also showed fewer permits, but good gains in values of work done.

An Important Decision.

AN important decision was rendered recently by Justice Greenbaum in the Supreme Court, that will undoubtedly result in the filing of a number of suits by property owners who seek to recover damages for depreciation in either the actual or rental value of their premises, because of the structures which are being built on the sidewalks by the Subway Construction Companies. Real estate owners heretofore have been very doubtful whether recovery could be had because the courts have frequently denied injunctions which were intended to restrain the erection of these various buildings, because of prospective damages to be suffered by their erection. The following synopsis of the case decided by Justice Greenbaum was prepared by the Advisory Council of Real Estate Interests for the guidance of property owners:

"The Underpinning and Foundation Company was directed by the Public Service Commission to locate a shaft in front of the premises 593 Broadway. A sub-surface structure of the conventional type was erected, which extended across Broadway and occupied a portion of the sidewalk on either side. The part of the structure located in the sidewalk was about seven feet from the abutting premises, and ample means of access thereto was at all times afforded by this space.

* * *

The Court's Views of the Facts.

THE tenant of the premises, 593 Broadway, J. Sinsheimer & Son, brought an action against the Underpinning and Foundation Company, claiming large damages for loss of profits and damage to goods and the invasion of the easements of light, air, and access to the premises. This action was tried in the New York Supreme Court before Justice Greenbaum and a jury.

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**BLUE
PRINTS**

"They admitted that the company was in no respect negligent or wanting in skill or due care in the work of constructing and maintaining the structure in the street, and rested their case solely on the claim that said structure diminished the light, air, and access to the premises to the extent of \$15,000 during the two years and ten months in which it was in place.

"In meeting this claim the company contended that the structure was a temporary one, which could under no circumstances remain in front of the premises for longer than forty months, the time in which the contract was to be completed; that it was located there by order of the Public Service Commission under a valid legislative enactment, and was used in the construction of a work of great public benefit, and that any injury sustained by the plaintiff, as the occupant of the abutting premises, was without redress in law.

"After a trial lasting four days, Justice Greenbaum squarely took the position that the structure was in law a permanent one, and that the plaintiff was entitled to substantial damages. He in effect directed a verdict for the plaintiff, leaving it to the jury to assess the damages, which it did to the extent of \$5,500."

* * *

The Good Roads Problem.

NEW JERSEY is interested in the question of good roads. Incidentally, New Jersey is interested in getting reliable data on the subject of what constitutes a good road, whether a cheap or an expensive road is the best investment and whether vehicular traffic over its roads should be regulated and to what extent. The New Jersey Good Roads Commission is sending out to engineers, contractors and manufacturers a series of questions to which it asks each recipient to make reply, the idea being to gather expert advice by which to be guided in a campaign of road building now under consideration.

The following statement and list of questions is inclosed:

The main trunk highways of New Jersey are breaking down under the terrific strain to which they are subjected by modern traffic.

Many of the feeder roads to these trunk highways are in bad shape.

The roads running through the outlying districts of the State and connecting with these "feeders" have never been in satisfactory condition.

The construction of much needed new roads is coming to a standstill, the maintenance of old roads even at enormous expense is not keeping pace with the daily wear and tear of travel.

Transportation, which is the life blood

of civilization and prosperity, is thereby hampered and the development and improvement of New Jersey is being retarded.

* * *

What Is Road Trouble?

What is the trouble?

Does the fault lie with a tangled mass of unintelligible road laws?

Are we struggling hopelessly to administer the road laws in township, county, and State by numerous, undefined, and varied types of road organizations?

Are many of the employees of these road organizations indifferent, untrained, or inefficient?

Do these employees, elected by the people or appointed for political reasons, hold office for such short periods of time and under such conditions that they cannot become effective in their work?

Are we building and maintaining our roads by unsound or unbusinesslike measures of finance?

How much interest are we paying on bonds issued to build poor roads which have gone to pieces or will go to pieces before the bonds mature?

How much money have we saved in our funds to pay off these bonds at maturity?

Does our money go into roads or into unnecessary and wasteful charges?

Do we foolishly try to save the money by building cheap roads that will last months when we ought to practice true economy by laying down roads that will last years?

Are we getting full and honest returns on every road contract into which we enter?

Are we selecting the right materials and the proper sort of road construction and maintenance for the several diversified localities of the State?

Should we limit the traffic on highways as to the weight of vehicles and load, and, if so, what should be the limit, and should we make regulations as to the width of tires?

In a word, do we have a scientific, efficient and far-sighted road policy, capable of automatic expansion and application to meet increased growth and change of traffic conditions, or do we act only under the stress of necessity, striving to get good roads by passing an annual installment of road legislation?

* * *

Wants Answers to Questions.

The Good Roads Commission appointed to study road conditions in this State wants to find out the answers to the above questions, and to many others, which are pregnant with significance to the road situation in New Jersey.

In order to obtain the suggestions of as many people as possible in the State

this list of questions has been sent to you in the hope that you will reply frankly and fully give your ideas on the subject.

Please bear in mind that the commission is interested in every phase of the road situation, and is not committed to any preconceived ideas of road-construction, road-maintenance, road-administration, or road-finance.

It is believed, however, that there are certain fundamental principles of law, finance, administration and operation underlying this whole subject of good roads, and any help you will give by your careful thought and suggestions will greatly assist in discovering what these principles are and ultimately enable the commission to apply them to New Jersey roads.

Kindly mail all letters before August 1 to

JOHN W. HERBERT,
Chairman Commission on Road Legislation,
New Jersey State Chamber of Commerce,
15 Exchange Place, Jersey City, N. J.

STANDARDIZING ADVERTISING FOR ARCHITECTS.

The Journal of the American Institute of Architects has made a valuable suggestion regarding the standardization of advertising matter intended for preservation for architects. The Journal suggests in a widely distributed circular that the standard dimensions of letter paper, 8½x11 inches, be used wherever possible, pointing out that practically all filing cabinets are designed to accommodate this dimension, also circulars of this size may be pinned to letters and other data to which it may relate. It is also shown that drawings may be shown in larger scale on this paper and that one 8½x11 inch page will carry as much as two pages 6x9 inches, saving one half in filing space. It is also suggested that bulky covers be avoided and that circulars and pamphlets be numbered serially and dated. Architects appreciate reliable advertising matter but 90 per cent. of that received at present goes into waste baskets either because it is useless or impossible to file conveniently.

BARBER'S COT RATE.

John Purroy Mitchell, mayor of New York, and Donn Barber, the big New York architect, were up in Canada last summer, says the "Saturday Evening Post." In a small town they stopped overnight at a little hotel run by an Englishman who had not been very long in the Dominion. Mr. Mitchell registered for both and they were assigned adjoining rooms.

Next morning when the two guests went to the desk to pay their bills only one account was rendered. The hotel man handed it to the Mayor. It read:

Lodging and meals for Mr. Mitchell .. \$3.00
Ditto, ditto, for his barber 1.50

Total \$4.50

EDITORIAL NOTES.

Alba B. Johnson, President of the Baldwin Locomotive Works, was quoted recently as saying that he looked for a depression in business after the war, but that he knew many capitalists held a contrary expectation. "I am fully aware," he said, "that it is the substantial opinion of many capitalists with whom I have discussed the situation recently that the great wave of prosperity we are now enjoying will continue."

* * *

A novel idea in suburban realty selling is being tried out by a firm of New York operators. The prospective buyer leases one of its new homes at a stipulated rental for the term of three years. If at the expiration of this lease, he decides to buy, the three years rental, without deducting taxes, interest or insurance, applies on the purchase price. The firm is said to be renting as fast as it can build with every prospect of converting its tenants into buyers within the prescribed period.

* * *

The Youngstown Sheet & Tube Co. has decided on liberal provision for such of its employees as enlist for service in defense of the nation. In a letter to C. S. Robinson, second vice-president of the company, President J. A. Campbell authorizes the announcement that all unmarried employees who enlist will receive full salary up to \$75 per month and married employees will be paid in full up to \$100 per month as long as they are in military service.

* * *

At the fifth annual meeting of the Metal Branch of the National Hardware Association of the United States an ordinance was presented requiring every building "except one-story structures less than 16 feet in height of a temporary character" to be covered "with tin orterne plate, iron or steel, slate, copper or such other equally good fireproof material as the Bureau of Building Inspection may authorize." The committee which presented the ordinance urges those interested in the manufacture and sale of sheet metal and terne plates to "use every effort to secure the adoption of this statute, or of a building regulation containing similar provisions in every city and State throughout the country."

* * *

It is an interesting fact, in connection with the recent death of Hollinshead W. Taylor, of the N. & G. Taylor Company, of this city, that the art of tinning was introduced into England in 1720 by one of Mr. Taylor's ancestors, Major J. Hanbury, of the Hanbury-Tracy family at Pontypool, Wales. It was Hollinshead

W. Taylor, his brother, Nathan A. Taylor, and a cousin, Geo. D. B. Taylor, who in 1891 introduced the manufacture of tin plate into the United States, transporting the necessary equipment bodily from Wales.

* * *

Don't take anybody's patronage for granted. Your nearest neighbor of your best friend may stray away if they are not included in your business getting efforts.

* * *

Dishonest or unfair competition is mainly promoted by untrue, deceptive or misleading advertising. Fundamentally, unfair competition is dishonest advertising. It has many ramifications and many branches and forms, but traced to their source, all of them will be found to be based upon some form of untrue, deceptive or misleading publicity.

* * *

"The thing that goes the furthest in making life worth while,
"That costs the least and does the most is just a pleasant smile;
"It's full of mirth and goodness, too, with hearty kindness bent;
"It's worth a million dollars and it doesn't cost a cent."

* * *

A newspaper item announcing that some well-known mail order advertiser has been convicted and fined under a fraudulent advertising law, would be a great help towards putting the dealer right in the minds of those who have been led away from him by misleading and untruthful statements.—*National Hardware Bulletin*.

* * *

A disloyal employee is a traitor to his employer and a traitor to himself, because the success of the firm for which he is working is the success for himself, and a failure or loss surely will react upon him. Therefore, remember above everything to be loyal to your firm and the reward will surely come!

* * *

Good salesmanship is very valuable to the firm and a good salesman is always in demand. A good salesman must know when to stop talking. The salesman who knows this is a successful salesman. A good salesman knows exactly when the article he is showing is sold and he does not talk any more, but closes quickly.

* * *

The lamented sage of East Aurora said, "Smile till 9 A. M. and the rest of the day will take care of itself."

A smile costs nothing and counts big. Smile in the mirror, then smile in the mirror some more. Soon it will come naturally. A face that cannot smile is like a bud that cannot blossom, but dries up on the stalk.

\$700,000 TO BE SPENT ON ARSENAL BUILDINGS.

Arrangements are now being made for the erection of new buildings at the Frankford arsenal, Philadelphia, which will double its capacity and provide work for at least 1,000 more employees. For this work the government has appropriated \$700,000.

First steps will be taken by the construction of a general shop building, a storehouse for ammunition and a garage for motortrucks.

Bids have been invited by the government on these buildings, work on which will be in full swing by the middle of August. The construction will involve an expenditure of about \$175,000. These structures will be completed with dispatch and work then rushed on the other improvements.

That the enlargement of the arsenal plant is necessary to properly increase the government's manufacture of ammunitions, has long been contended by Lieutenant Colonel George Montgomery, the commandant, and other men familiar with the needs of the arsenal.

The other improvements include extension of the instrument building, extension of the fuse shop building, extension of the artillery case shop building, extension of the lead shop building, metal storehouse; storehouse for rifles, sewer connections, construction and repairs to roadwalks and seawall, fire protection, increasing facilities for rifle and field artillery, and five magazines for high explosives.

It will be used as printing and photographic shop, test room, etc. It will have a wing 35x47 feet; alone it will measure 116x50 feet. The storehouse will be two stories in height and of reinforced concrete. Current manufactured small arms ammunition will be stored there. The building will have an area of 126x155 feet. The garage will be 116x53 feet, and two stories in height.

BUILDERS' GUIDE

FORMERLY

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and Builders' Guide

PUBLISHED WEEKLY

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Louis S. DeLone.....Secretary and Treasurer

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Second Class Matter

Irving Dillon.....Editor

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Machine Shops, Storehouse and Offices, 946 to 962 North Front street. Architect, Wm. C. Furber, 418 Walnut street, Philadelphia. Owners, Espoir Realty Co. (H. B. Pancoast & Co.), 243 South Third street. Brick and steel, 1 and 2 stories, 49x247 feet, cement tile and composition roofs, steam heating, electric lighting, metal lath, fire doors. Architect taking bids, due August 1st. The following are figuring: Irwin & Leighton, 126 N. Twelfth street; F. A. Havens & Co., 345 North Nineteenth street; F. W. Van Loon, Denekla Building; Geo. L. Sipps, 917 Locust street; Stacy Reeves & Sons, 2011 Market street, and H. E. Bates, Twelfth and Sansom streets, Philadelphia.

Church (add.), St. Marks street and Woodland avenue. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, St. Monica's P. E. Church, Rev. Richard Bright, 2136 South Fifty-ninth street, Philadelphia. Consists of an additional story, stone, 60x40 feet, slag roof (heating, plumbing and electric work separate bids). Architects taking bids, due August 4th. The following are figuring: F. B. Davis, 240 North Sixteenth street; James Tighe Co., 245 North Eleventh street; W. O. Springer, 1624 Latimer street, and George Dobbin, 8341 Germantown avenue.

Residence, St. Martins, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. Geo. Woodward, North American Building, Philadelphia. Stone, 2½ stories, slate roof, electric lighting. Architects have received bids.

Offices (alts.), 309 Walnut street, Philadelphia. Architects, Peacock & Hokanson, Bailey Building, Philadelphia. Owners, Land Title & Trust Co., Land Title Building, Philadelphia. Lessess, Hare & Chase, on premises. Consists of interior alterations (electric work separate bid). Architects taking bids, due August 3d. The following are figuring: Jos. F. Myers & Co., 1237 Ridge avenue; Barclay White & Co., Perry Building; F. B. Davis, 240 North Sixteenth street; H. E. Baton, Twelfth and Sansom streets; F. L. Hoover & Sons, 1023 Cherry street.

Office Building, northeast corner Fifteenth and Filbert streets. Architect, F. Webber, Norris Building, Philadelphia. Owner, name withheld. Brick, concrete and steel, 15 stories, 61x106 feet, slag roof, steam heating, electric lighting, metal lath, dampproofing, fire doors, elevators, marble and tile work, hollow steel doors. Architect taking sub-bids.

Offices (alts.), 122 Dock street, Philadelphia. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owners, E. S. Woodward & Co., on premises. Consists of new partitions and interior alterations (electric work reserved). Architect has received bids.

Garage, 3501 to 3505 Market street. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner, David E. Kirk, on premises. Brick, 1 story, 42x90 feet, slag roof, steam heating, electric lighting, fire doors. Owner taking bids, due August 2d. The following are figuring: Smith-Hardican Co., 1606 Cherry street, and Bailey-Lush Co., 201 North Broad street.

Tool House, Arsenal Bridge. Architect, private plans. Owners, Penna. Railroad Co., 3200 Powelton avenue, Philadelphia. Brick and stucco, 1 story, 70x17 feet, Rextile shingle roof (electric work reserved). Owners taking bids, due August 4th. Rodyhouse-Arey Co., Fidelity Building, is figuring.

Freight House (add.), Shackamaxon street. Architect, private plans. Owners, Penna. Railroad SCo., 3200 Powelton avenue. Brick, 2 stories, 44x50 feet, slag roof, steam heating, metal lath, iron stairs, roof ventilators. Owners taking bids, due August 7th. Rodyhouse-Arey Co., Fidelity Building, is figuring.

Bank and Office Building, 20 and 22 South Fifteenth street. Architects, DeArmond, Ashmead & Bickley, 1524 Walnut street. Owners, Franklin Trust Co., Fifteenth and Market sts. Engineers, Schofield Engineering Co., Commercial Trust Building. Brick, stone, terra cotta, concrete and steel, 10 stories, 44x94 feet, slag roof, metal lath (plumbing, heating, electric work and elevators separate bids). Owners taking bids, due August 5th. The following are figuring: Cramp & Co., Denekla Building; Wm. R. Dougherty, 1610 Sansom street; Warren, Moore & Co., Commercial Trust Building; Irwin & Leighton, 126 North Twelfth street; Rodyhouse-Arey & Co., Fidelity Building; John N. Gill & Co., Heed Building; Ketcham & McQuade, 1029 Brown street, and Longacre Const. Co., 22 E. Forty-second street, New York City. Owners are also taking sub-bids.

Church, Ninth and Watkins streets. Architect, N. Serracino, 1170 Broadway, New York City. Owners, St. Nicholas of Tolentine R. O. Church, Rev. A. Baldassarre, 1718 South Ninth street. Brick, stone and terra cotta, 1 story, 115x54 feet, slate, copper and slag roof, damp-proofing, metal lath, ventilators (heating, plumbing and electric work separate bids). Architect and owners have received bids.

Residence, Chestnut Hill, Philadelphia. Architects, E. J. Holmes & Co. and C. Wharton Churchman, 1525 Locust street, Philadelphia. Owner, Edward Swain, Pennsylvania Building, Philadelphia. Stone, 2½ stories, 28x52 feet, shingle roof, oak floors, electric lighting (heating reserved). The following are figuring: James B. Flounders, 1329 Arch street; Frank G. Stewart, 1619 Sansom street, and Stokes Bros., 6723 Murgrave street.

Residence and Garage, Eleventh street, north of Sixty-sixth avenue, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Frank A. Boyer, 2082 E. Cumberland street. Stucco, 2½ stories, 49x35 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors, wire lath. Architects taking bids, due August 9th. The following are figuring: H. H. Burrell, 206 S. Quince street; Wills-adwick Co., 34 South Seventeenth street; H. A. L. Smink, 5320 North Twelfth street; McCloskey & Bahls, Hale Building; Rush Bros., 1100 Fillmore street, Philadelphia.

Garage, Forty-ninth and Monument avenue, Philadelphia. Architect, E. D. Salter, 4907 Wynnefield avenue. Owner, E. F. Kurtz, 2535 Montgomery avenue, Philadelphia. Stone and plaster, 2 stories, 25x23 feet, shingle roof, metal lath (heating and electric work reserved). Architect taking bids. E. J. Kreitzburg, 1345 Arch street, Philadelphia, is figuring.

Power House, Reed Street Yards, Philadelphia. Architect, Wm. H. Cookman, Broad St. Station. Engineer, A. C. Shand, Broad St. Station. Owners, Penna. Railroad Co., Broad St. Station. Brick and terra cotta, 1 story, 30x86 feet and 15x20 feet, slag roof, steel sash, roof ventilators, fire doors. Owners taking bids, due August 8th. Plans may be obtained at office of architect.

Residence, Cheltenham avenue, west of Seventh street. Architects, King & Wightman, 1513 Walnut street, Philadelphia. Owner, John E. Sheets, 4705 Greene street, Philadelphia. Stone, 2½ stories, 40x40 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Intake and Outlet Houses, Torresdale, Philadelphia. Architects, City of Philadelphia, Department of Public Works, Water Department, Geo. E. Datesman, Directory, City Hall. Brick, granite, concrete and terra cotta, 1 story, 74x24 feet and 25x26 feet, slag and slate roof, steel doors, steel sash. Revised bids will be taken.

Ash Handling Plant, Torresdale, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Water Department, Geo. E. Datesman, Director, City Hall. Concrete and steel. Revised bids will be taken.

Factory, Seventh and Willow streets, Philadelphia. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Wm. R. Warner & Co., 639 North Broad street, Philadelphia. Reinforced concrete and brick, 6 stories, 175x160 feet, tile, asbestos and asphalt roof, waterproofing, safety treads, kalamein doors, fire doors, steel sash, ventilators. Builders Wm. Steele & Sons Co., 1600 Arch street, taking sub-bids, due August 4th.

College Buildings, near Chestnut Hill, Philadelphia, \$500,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, Carson College for Orphan Girls, Witherspoon Building. Consists of 37 cottages, stone, 2 stories, 101x25 feet, 138x48 feet and 120x42 feet; (2) residences, 2½ stories, stone, 25x75 feet and 40x82 feet; store building, 1½ stories, 40x70 feet; garage, 2 stories, 25x175 feet, tile roofs, hot water heating, electric lighting, sewage disposal plant, hollow tile and concrete fireproofing, fire doors, metal lath. Architect taking bids. The following are figuring: Geo. A. Fuller Co., Widener Building; Jacob Myers & Sons Co., Witherspoon Building; Cramp & Co., Denekla Building; Doyle & Co., 1519 Sansom street; Rodyhouse-Arey Co., Fidelity Building; Pringle Borthwick, 8018 Germantown avenue; Thomas Reilly, 1616 Thompson street; Armstrong & Latfa, Land Title Building, all of Philadelphia, and Norcross Bros., 103 Park avenue, New York City.

Township Buildings, Darby and Eagle roads, \$25,000. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Haverford Township Commissioners, Dr. H. B. Morse, Secretary, Llanerch, Pa. Stone and terra cotta; administration building, 2 stories, 46x76 feet; service building, 2 stories, 54x46 feet, slate roof, steam heating, electric lighting, waterproofing, tile work, iron stairs, ventilators, proposal bond. Owners taking bids, due August 7th at 7.45 p. m. The following are figuring: W. E. Wark & Co., 1737 Filbert street; W. W. Anstine & Co., 1218 Filbert street; Mitchell Bros., 2125 Race st.; McCloskey & Bahls, Hale Building.

Garage, 3501 to 3505 Market street, Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owner, David E. Kirk, on premises. Brick, 1 story, 42x90 feet, slag roof, steam heating, electric lighting, fire doors. Owner has received bids.

College Buildings, near Chestnut Hill, Pa., \$500,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, Carson College for Orphan Girls, Witherspoon Building. Consists of three cottages, stone, 2 stories,

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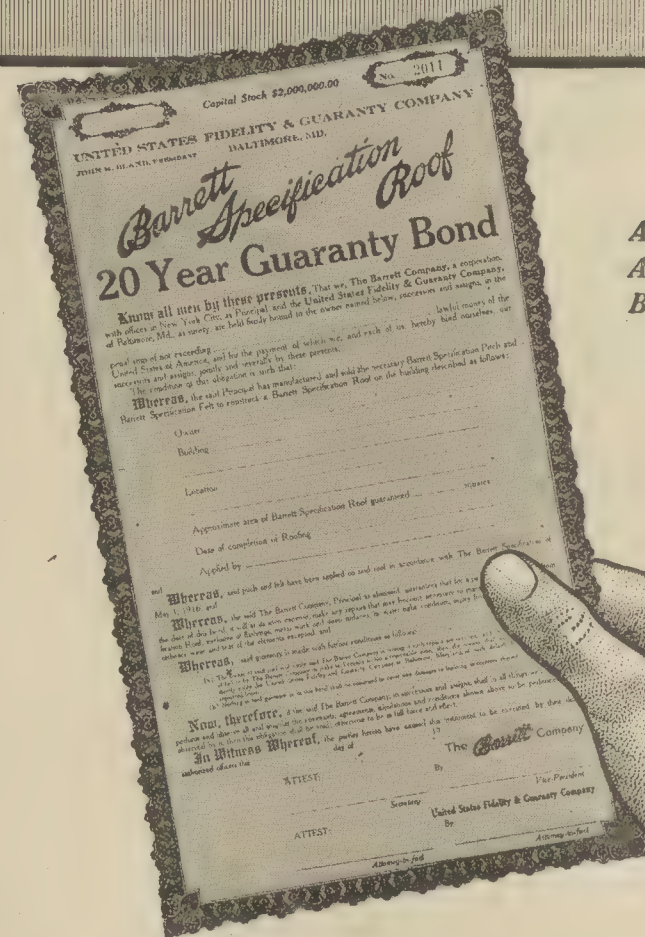
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101x25 feet, 138x48 feet and 120x42 feet;
two residences, 2½ stories, stone, 25x75 feet
and 40x82 feet; store building, 1½ stories,
40x70 feet; garage, 2 stories, 35x175 feet, tile
roofs, hot water heating, electric lighting,
sewage disposal plant, hollow tile and con-
crete, fireproofing, fire doors, metal lath. Ar-
chitect taking bids. In addition to those pre-
viously reported, J. S. Cornell & Sons, Land
Title Building, are figuring.

Garage, Wynnewood, Pa. Architects, Mag-
aziner & Potter, 603 Chestnut street, Philadel-
phia. Owner, Thomas Beaver Browne, Wynne-
wood, Pa. Hollow tile and plaster, 1½ stories,
24x26 feet, slate roof (heating reserved). Ar-
chitects taking bids, due August 3rd. The
following are figuring: Mowrer Bros., Mer-
ion, Pa.; Charles C. Pace, Merion, Pa.; W.
Harry Roberts, Grassland, Pa.; Stacy Reeves
& Sons, 2011 Market street, and Wills, Lud-
wick & Co., 36 South Seventeenth street, Phil-
adelphia.

Parish House, Lincoln Drive, Germantown.
Architect, Spencer Roberts, 1524 Chestnut
street, Philadelphia. Owners, Church of
Epiphany, care of Rev. I. A. McGrew, Phel-
ham road. Stone, 1 story, 50x99 feet, slate
roof (electric lighting and heating reserved).
Architect taking bids, due August 8th. The
following are figuring: Frank G. Stewart,
1619 Sansom street; I. T. Shoemaker, 1324
Walnut street, Wm. R. Dougherty, 1610 San-
som street; Thomas C. Trafford, 1613 Sansom
street; J. Sims Wilson, 1125 Brown street;
Wm. Gruhler Co., 219 East High street, and
Jacob Myers & Sons Co., Witherspoon Build-
ing, Philadelphia.

Sunday School and Chapel, Queen Lane
Manor, Pa. Architect, Laurence Visscher
Boyd, Harrison Building, Philadelphia. Own-
ers, Manor Sunday School Association, care
of L. V. Boyd, president. Frame and plaster,
1 story, 44x58 feet, slate roof (heating and
lighting reserved). Plans completed. Will
soon be ready for bids.

Garage, Atlantic street, west of Nineteenth
street. Architects, Neubauer & Boyd, 1118
Chestnut street. Owner, Emanuel Weil, 211
North Third street, Philadelphia. Brick, 1
story, 108x140 feet, slag roof, electric light-
ing. Architects taking bids (revised), due
August 2d. The following are figuring:
Pailey-Lush Co., 201 North Broad street; Lam

Building Co., 1001 Wood street; H. P.
Schneider, 3713 Old York road; Freund-Sie-
denbach Co., Bulletin Building, and H. W.
Green, 990 North Marshall street.

Power House, Reed street yards, Philadel-
phia, \$30,000. Architect, William H. Cook-
man, Broad Street Station. Engineer, A. C.
Shand, Broad Street Station. Owners, Penn-
sylvania Railroad Co., Broad Street Station.
Brick and terra cotta, 1 story, 70x85 feet and
15x20 feet, slag roof, steel sash, roof ventil-
ators, fire doors. Owners taking bids, due Au-
gust 8th. E. J. Kreitzburg, 1345 Arch street,
and Turner Concrete Steel Co., 1713 Sansom
street, are figuring.

Stores (2), 1304-1306 Columbia avenue.
Architect, George Monroe, 105 North Sixtieth
street, Philadelphia. Owner, Mrs. Tillie K.
Daut, care of architect. Brick, 3 stories, 37x
60 feet, slag roof, steam heating, electric light-
ing. Architect taking bids, due August 4th.
Burd P. Evans & Co., Thirteenth and Wallace
streets, Philadelphia, are figuring.

Conservatory, 1718 Walnut street,
Philadelphia. Architect, Lewis Colt Albro, 2
West Forty-seventh street, New York City.
Owner, Sydney E. Hutchinson, on premises.
Wood, plaster and brick, terra cotta fireproof-
ing, steam heating, extension, electric light-
ing, wire lath, marble floors. Architect tak-
ing bids, due August 3rd. R. C. Ballinger &
Co., 218 North Thirteenth street, and J. Sims
Wilson Co., 1125 Brown street, are figuring.

Warehouse, Eighth and Callowhill streets,
Philadelphia. Architect, private plans. Own-
er, James Dolan, Eighth and Callowhill sts.,
Philadelphia. Brick and reinforced concrete,
2 stories, 60x40 feet, slag roof, steam heating,
electric lighting, cement floors. Builder,
Thomas Reilly, 1616 Thompson street, Phila-
delphia.

School (add.) (2 wings), Eighth and Lehigh
avenue, Philadelphia. Architect, J. Horace
Cook, Land Title Building, Philadelphia. Own-
ers, Board of Education, Nineteenth above
Chestnut street. Stone, 3 stories, 60x200 feet
each, slag roof (heating and lighting reserv-
ed). Plans about completed. Ready for bids
in about three weeks.

Residence, Seventh street and Cheltenham
avenue, Oak Lane. Architects, Guy King & Co.,
1513 Walnut street, Philadelphia. Owner,

**UTILITY
WALL BOARD**

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John E. Sheets, 4705 Greene street, Philadelphia. Stone, 2½ stories, 40x40 feet, shingle

roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Garage, Akron and Wakeling streets, \$7,500. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Warren Allen, care architects. Brick and stone, 3 stories, 18x48 feet, slate roof, electric lighting, hardwood floors, tile work (hot air heating reserved). Contract awarded to John D. Fotheringham, 3367 Frankford avenue.

Garage, Fifteenth and Courtland streets, Philadelphia, \$45,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owners, Strawbridge & Clothier, Eighth and Market streets. Brick and steel, 1 story, 100 x172 feet, slag roof, metal doors, metal sash, composition floors (heating, plumbing, electric work, lockers and gasoline storage system reserved). Contract awarded to Stacy Reeves Sons, & 2022 Market street.

Employees Building, Wheatsheaf lane and Gaul street, Philadelphia. Architects, Ballinger Perrot, 1700 Arch street, Philadelphia. Owners, F. W. Tunnell & Co., Inc., 15 North Fifth street, Philadelphia. 2 stories, brick reinforced concrete, slag roof, terrazzo floors. Contract awarded to W. O. Springer, 1624 Latimer street, Philadelphia.

Factory (add.), Ninth and Westmoreland avenue, \$40,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owners, Surpass Leather Company, on premises. Brick and terra cotta, three-story addition, slag roof, maple floors, metal lath, waterproofing and dampproofing, steel doors. Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

Residence (alts.), 1206 Spruce street, \$1,000. Architect, Mantle Fielding, 518 Walnut street, Philadelphia. Owner, Arthur Sewall, 1206 Spruce street, Philadelphia. Consists of general alterations and repairs. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets, Philadelphia.

Machine Shop and Office (alt. and add.), northwest corner Twenty-eighth and Susquehanna avenue, \$5,000. Architect, LeRoy B. Rothschild, Bulletin Building, Philadelphia. Owner, William T. Dulin, 1927 Montgomery avenue, Philadelphia. Brick, 1 and 2 stories,

64x5 feet, slag roof, steam heating, electric lighting. Contract awarded to S. B. MacDowell & Son, 1927 Montgomery avenue.

Garage, Jefferson and Hutchinson streets. Architect, private plans. Owner, P. J. Froley, Front and Jefferson streets, Philadelphia. Brick and stone, 2 stories, 58x60 feet, slag roof, steam heating. Contract awarded to Thomas Reilly, 1616 Thompson street.

Store Building (alt. and add.), southeast corner Eighth and Arch streets, \$4,000. Architect, Mentle Fielding, 518 Walnut street, Philadelphia. Owners, Commonwealth Trust Building, 1201 Chestnut street. Brick, slag roof, steam heating. Contract awarded to Burd P. Evans Co., Thirteenth and Wallace streets.

Residence, Upsal street and Wissahickon avenue. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, Upsal street, Wissahickon avenue, Germantown. Stone, 2½ stories, 30x70 feet, slate roof, hot water heating, electric lighting, tile work. Contract awarded to Charles Johnson, 5701 Boyer street, Germantown.

Residence (alt. and add.- and Garage, 3405 Powelton avenue. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Theodore J. Lewis, Morris Building, Philadelphia. Brick and terra cotta, 3 stories. Garage, 2 stories, 37x28 feet, slate roofs, tile work, metal lath (heating, plumbing, electric work, gasoline storage system reserved). Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

Church, Hancock and York streets, Philadelphia, \$21,000. Architects, Charles W. Bolton & Sons, Witherspoon Building, Philadelphia. Owners, Alpha Baptist Church, care of architects. Brick, 1 story, 50x100 feet, slate roof, steam heating, electric lighting. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets, Philadelphia. (Note change.)

Residence, St. Martins, Philadelphia. Architect, R. R. McGoodwin, 1422 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone,

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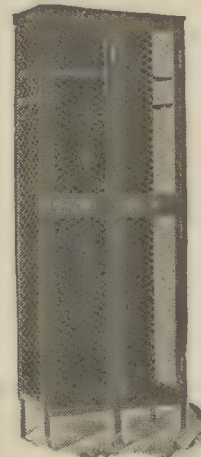
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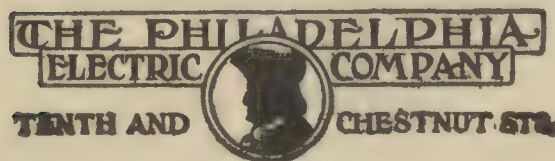
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2½ stories, 30x45 feet; two wings, 20x30 feet and 14x18 feet, slate roof, electric lighting, tile work, hardwood floors (heating re-

served). Contract awarded to Wolverton & Collins, 7930 Germantown avenue, Philadelphia.

PENNSYLVANIA Construction News

Residences (10), Norristown, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owners, McFadden Contracting Co., 1313 Arch street, Philadelphia. Frame, 2 stories, shingle roof, steam heating, electric lighting. Plans in progress. Owners will take sub-bids on all lines.

School Building, Rockdale, Pa., \$20,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, care Dr. A. S. Gay, Secretary, R. F. D. No. 2, Media, Pa. Stone, 2 stories, 50x90 feet, slag roof, metal lath, slate blackboards, roof ventilators (heating, plumbing and electric work separate bids). Owners taking revised bids, due August 1st, at 8 p. m. In addition to those previously reported, P. J. Hurley, 1233 Cherry street, is figuring.

Factory (add.), and **Power House**, Clifton Heights, Pa. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Caledonia Woolen Mills, Clifton Heights, Pa. Brick and concrete, 1 and 2 stories, slag roof, steam heating, electric lighting. Plans in progress.

Rectory, Darby, Pa. Architect, Geo. Natress & Son, Twelfth and Walnut streets, Philadelphia. Owners, All Saints P. E. Church, Darby, Pa. Stone, 2½ stories, 30x46 feet, slate roof, hot water heating, electric lighting, tile work. Architects taking bids, due July 27th. Specht & Sperry, Heed Building, Philadelphia, are figuring.

Residences (9), Elkins Park, Pa. Architect, Philadelphia. Owners, Rhoads & Paul, 135 teets, Van Voorhees & Harvey, Hale Building, South Fifth street, Philadelphia. Hollow tile, stone, frame and plaster, 2½ stories, shingle, slate and tile roofs, hot water heating, electric lighting, hardwood floors, tile work. Architects taking sub-bids.

School Building and alts., Narberth, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Narberth, Philadelphia. Stone, 2 stories, 90 x63 feet, slate roof, hollow tile partitions, concrete floors, safety treads, kalamein doors, ventilators, metal lath (heating, plumbing and electric work separate bids). Lowest bidders,

Abol Bottoms & Sons Co., 3611 Walnut street, Philadelphia.

Silk Mill, Hazleton, Pa. Architect, W. E. S. Iyer, and Title Building, Philadelphia. Owners, ouis Roessel & Co., Hazleton, Pa. Brick, 1 story, 58x200 feet and 27x40 feet, proposal bond, slag roof, roof ventilators, fire doors, steel sash (heating, plumbing and electric work reserved). Architect taking bids, due August 10th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; Hogg Construction Co., 1634 Sansom street; Charles McCaul Co., 1713 Sansom street; H. E. Grau Co., 1707 Sansom street; H. E. Batton, Twelfth and Sansom streets; Jacob Myers & Sons Co., Witherspoon Building; I. T. Shoemaker, 1325 Walnut street; Stacy Reeves & Sons, 2011 Market street, Philadelphia; Andrew Dreslin, Summit Hill, Pa.; S. Y. Fredericks, Hazleton, Pa.

Garage, Wayne, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Robert G. Wilson, 225 Dock street, Philadelphia. Stone and frame, 2 stories, 20x25 feet, shingle roof, electric lighting, hot water heating. Plans completed. Architect ready for bids.

Residence, Media, Pa. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Jos. Hill Brinton, Commonwealth Building, Philadelphia. Frame, 3 stories, 31 x75 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids. The following are figuring: James B. Flounders, 1329 Arch st.; R. C. Ballinger & Co., 218 North Thirteenth street; W. O. Springer, 1624 Latimer street; McClintock & Weaver, 24 Phil-Elena street.

Bungalow, Willow Grove, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Mrs. Easterday, Willow Grove, Pa. Frame and shingle, 1½ stories, shingle roof, steam heating, gas lighting, artesian well. Owner is ready for bids.

Garage, Forty-ninth and Monument avenue, Wynnefield, Pa. Architect, E. D. Salter, Parkside avenue, Wynnefield, Pa. Owner, E. F. Kurtz, 43 North Second street, Philadelphia. Stone and reinforced concrete, 1½ stories, 25x23 feet, shingle roof, steam heating,

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cement floors, wood floors, metal lath. Architect taking revised bids. E. J. Kreitzburg, 1345 Arch street, is figuring.

Residence, Lansdowne, Pa. Architect, Edwin G. Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, F. S. Underhill, Lansdowne, Pa. Frame and plaster, 2½ stories, 24x40 feet, shingle roof, hot water heating, electric lighting, pine floors. Architect ready for bids August 4th.

Residence and Garage, Rose Valley, Pa. Architects, E. B. Delk & F. W. Hastings, 34 South Seventeenth street, Philadelphia. Owner, Francois J. Torchiana, Rose Valley, Pa. Hollow tile and plaster, 1½ stories, 25x118 feet, slate roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Residence, Media, Delaware County, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Joseph Hill Brin-

ton, 1201 Chestnut street, Philadelphia. Frame, 3 stories, 31x53 feet, shingle roof, wood, brick and cement floors (heating and lighting reserved). Architect taking bids, due August 3rd. R. C. Ballinger, 216 North Thirteenth street, and James B. Flounders, 1329 Arch street, are figuring.

High School, Ridley Park, Pa., \$80,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Ridley Park, Pa. Brick and terra cotta, 2 stories, 125x70 feet, slag roof, steam heating, electric lighting, metal lath, ventilators, concrete floors. Owners taking bids, due August 15th. The following are figuring: J. W. Meckert, Ridley Park, Pa.; Flounders Bros., Media, Pa.; H. E. Grau Co., 1709 Sansom street; Wills, Ludwick Co., 36 South Seventeenth street; Wm. R. Dougherty, 1610 Sansom street; Charles McCaul Co., Mitchell Bros., 2125 Race street, Philadelphia.

PENNSYLVANIA

Contracts Awarded

Office Building (alt. and add.), Coatesville, Pa. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owners, Lukers Iron and Steel Co., Coatesville, Pa. Stone, cement and brick, 3½ stories, 65x27 feet, slate roof, slate roof (heating and lighting reserved), reinforced concrete floors, metal lath, cement floors, waterproofing, tile work, iron stairs. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Gardener's Cottage and Greenhouse, St. Davids, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets, Philadelphia. Owner, Charles S. Walton, on premises. Stone and concrete, 41x22 feet and 62x22 feet, tile roof, hot water heating. Contract awarded to J. D. Lengle, Wayne, Pa.

School (alt. and add.), Trooper, Pa., \$8,148. Architects, Shermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Board of Education of Lower Providence Township, Frank S. Brant, President, Trooper, Pa. Stone, brick and hollow tile, 2 stories, 22x63 feet, slag roof (heating, plumbing and electric work separate bids). Contract awarded to Jury & Christ, Norristown, Pa.

School (add.), near Collegeville, Pa., \$9,075. Architects, Schermerhorn & Phillips, 430 Wal-

nut street, Philadelphia. Owners, Board of Education of Lower Providence Township, Frank S. Brant, President, Trooper, Pa. Brick, hollow tile and stucco, 2 stories, 57x88 feet, slate and slag or asbestos shingle roof, metal lath (heating, plumbing and electric work separate bids). Contract awarded to Elmer S. Poley, Trappe, Pa.

Ward Buildings (2), South Mountain, Pa. Architect, A. A. Ritcher, Sixth and Court sts., Reading, Pa. Owners, Asylum for Chronic Insane, Dr. S. S. Hill, South Mountain. Brick, stone, terra cotta and reinforced concrete, 2 stories, 396x87 feet, slate roof, metal lath, waterproofing, composition floors (heating, plumbing and electric work separate bids). Contract awarded to Metzger & Fisher, Denckla Building, Pa.

Church, Chester, Pa. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, Providence Avenue M. E. Church, Chester, Pa. Stone, brick and terra cotta, 1 story, 89x66 feet, slate and slag roof, electric light, tile work (plumbing and heating reserved). Contract awarded to T. G. Trafford, 1613 Sansom street.

High School, Nesquehoning, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadel-

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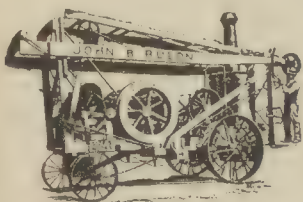
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phia. Owners, Mauch Chunk Township School District, Nesquehoning, Pa. Brick, stone, terra cotta, 2 stories, 82x134 feet, asbestos roof, metal lath, safety treads, concrete and hollow tile floors, marble work, kalamein doors, roof ventilators, dumbwaiters, slate blackboards (heating, plumbing and electric work



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separate bids). Contract awarded to Andrew Breslin, Summit Hill, Pa.

Factory Building, Malvern, Pa. Architect, private plans. Owners, Hires Condensed Milk

Co., Malvern, Pa. Stone, brick and terra cotta, reinforced concrete, cement work, 60x60 feet, slag roof. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street.

NEW JERSEY

Construction News

Residence, Trenton, N. J., \$6,500. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, Alfred Reed, 137 E. State street, Trenton. Brick, 2½ stories, 40x40 feet, slate roof, vapor heating, electric lighting, hardwood floors, tile work. Plans in progress.

Electric Bureau Building, Trenton, N. J., \$25,000. Architect, Wm. P. Endebrook, American Mechanics Building, Trenton. Owners, City of Trenton, City Hall, Trenton, N. J. Brick and steel, 2 stories, 64x40 feet, slate roof, dampproofing, metal sash, metal doors, concrete floors (heating, plumbing and electric work separate bids). Owners taking bids, due August 4th.

Church, Collingswood, N. J. Architects, Chas. W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Collingswood Presbyterian Church. Stone, 1 story, 70x70 feet, slate roof, steam heating, electric lighting. Architects taking bids, due August 7th. The following are figuring: W. Beaumont, Stephen Girard Building; Geo. W. Shaner & Son, Palmyra, N. J.; J. S. Rogers & Co., Moorestown, N. J.; Jacob Wenzelberger, Merchantville, N. J.; J. W. Draper, Camden, N. J.; E. F. Gieschke, Collingswood, N. J.

Club House, Princeton, N. J. Architects, Roderic B. Barnes, 15 E. Fortieth street, New York City. Owners, Tower Club, Princeton, N. J. Stone, hollow tile and concrete, 3 stories, 85x45 feet, slate roof, metal lath, waterproofing and dampproofing, marble and tile work, hardwood floors, kalamein doors (heating and electric work reserved). Architects taking bids, due August 4th. F. L. Hoover & Sons, 1023 Cherry street, Philadelphia, are figuring.

Library Building, Collingswood, N. J. Architects, Chas. W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, City of Collingswood, Collingswood, N. J. Brick, 1 story, 50x50 feet, slag roof (heating, plumbing and electric work separate bids). Owners have received bids.

School (alts.), Woodbury, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, School Board, Woodbury, N. J. Brick, 2 stories, 45x50 feet, consists of reinforcing walls and new windows. Owners taking bids, due August 5th. F. B. Davis, 240 North Sixteenth street, and Loos

& Donthard, Commercial Trust Building, are figuring.

Garage, Trenton, N. J., \$20,000. Architect, W. P. Endebrook, American Mechanics Building, Trenton. Owners, City of Trenton, City Hall, Trenton, N. J. Brick and steel, 2 stories, 60x88 feet, slate roof, dampproofing, metal sash, fire doors (heating, plumbing and electric work separate bids). Owners taking bids, due August 4th.

Powder House, Vineland, N. J. Architect, private plans. Owners, Borough of Vineland, Vineland, N. J. Brick, concrete and steel, 1 story, 45x55 feet, slag roof, steel sash. Owners have received bids.

Hotel (add.), Atlantic City, N. J., \$1,000,000. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Hotel Traymore, Atlantic City, N. J. Brick, steel and concrete, terra cotta, 20 stories, 140x140 feet, tile and slag roof, electric lighting, steam heating, oak and composition floors, metal lockers, metal weather strips, elevators, metal lath, metal sash and frames, steel casements, fire doors, dampproofing and waterproofing. Plans in progress. Architects will take bids in about three weeks.

School (alts.), Woodbury, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, School Board, Woodbury, N. J. Brick, 2 stories, 45x50 feet. Consists of reinforcing walls and new windows. Owners taking bids, due August 5th. The following are figuring, in addition to those previously reported: Philip Haibach, Twenty-sixth and Thompson streets, and Wills, Ludwick Co., 36 South Seventeenth street, Philadelphia.

Warehouse, northwest corner of Delaware avenue and Cooper street, Camden, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Joseph Campbell Co., Camden, N. J. Brick, steel, concrete, 268x92 feet, slag roof, steel sash, fire doors. Contract awarded to Pomeroy Const. Co., 1609 Panstead street, Philadelphia.

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MARYLAND Construction News

Apartment, 837 Hamilton Terrace, Baltimore, Md., \$25,000. Architect, private plans. Owner, George R. Morris, Title Building, Baltimore. Brick, 3 stories, 20x125 feet. Plans in progress.

Apartment House, Lake Drive, Baltimore, Md. Architect, E. H. Glidden, Garrett Building, Baltimore. Owner, Joseph Castelberg, 322 West Baltimore street, Baltimore. Brick, concrete and steel, 5 stories, 110x142 feet, slag roof, steam heating, electric lighting, passenger elevator. Architect ready for bids.

Chapel, Grovemont, Md., \$15,000. Architect, Mottu & White, 324 North Charles street, Baltimore, Md. Owners, Donaldson School, Grovemont, Md. Brick, slate roof, steam heating, electric work, plumbing. Plans in progress.

Residence, Greenway, Guilford, Md., \$20,000. Architect, L. H. Fowler, 347 North Charles street, Baltimore. Owner, Everett Gibbs, 717 South Wolfe street, Baltimore. Brick, 2½ stories, tile or slate roof, hot water or vapor heating, electric lighting. Plans in progress. Details not decided.

Dormitory, near Reisterstown, Md., \$40,000. Architect, K. M. Murchison, 101 Park avenue, New York City. Owners, McDonogh School, E. Stanley Gary, president, Equitable Building, Baltimore. Consists of new dormitory. Plans in progress. Too early for details.

Lodge Building and Stores, Charles and

Preston streets, Baltimore, \$175,000. Architect, Clyde N. Frix, Munsey Building, Baltimore. Owners, Knights of Pythias, R. L. Lee, chairman Building Committee, 232 St. Paul street, Baltimore. Brick, stone and terra cotta, 5 stories, 83x150 feet, slate or slag roof, steam heating, electric lighting, elevators. Plans in progress. Too early for details.

Power Plant, East Monument street, Baltimore, Md. Architect, private plans. Owners, Consolidated Gas and Electric Co., Liberty and Lexington streets, Baltimore. Brick and concrete, 1 story, 40x100 feet. Owners will sub-let all contracts.

School and Convent Building, northeast corner of Maryland avenue and Twenty-seventh street, Baltimore, Md., \$40,000. Architect, Hugh I. Kavanagh, 226 East Eager street, Baltimore. Brick, concrete and steel, 3 stories, 106x36 feet and 90x32 feet, slag roof, steam heating, electric lighting, fireproof stairs and corridors, tile floors, vacuum cleaning system. Plans completed. Architect ready for bids.

Station, Edmondson avenue, Baltimore, Md. Architect, W. H. Cookman, Broad St. Station, Philadelphia. Engineer, A. C. Shand, Broad St. Station, Philadelphia. Owners, Penna. Railroad Co., Broad St. Station, Philadelphia. Brick and stone, 1 story, steam heating, electric lighting, metal lath, tile work. Plans

about completed. Owners will take bids in a few days.

Maryland Contracts Awarded

School (add.), Curtis Bay, Anne Arundel County, Md., \$16,759. Architect, H. G. Crisp, Calvert Building, Baltimore. Owners, School Commissioners, Annapolis, Md. Brick and concrete, 2 stories, marble work, cement floors, slate stairs, fire escapes, slate blackboards (electric work reserved). Contract awarded to Hy. S. Rippel, 7 Clay street, Baltimore.

Dwellings (15), Falls road, near 38th street, Baltimore, \$23,000. Architect, private plans. Owners, Frank L. Novak Realty Co., Harford road and Baltimore and Ohio Railroad, Baltimore. Brick, 2 stories, tin or slag roofs, electric lighting, hot air heating. Owner is taking sub-bids on all lines.

Dwellings (5), Poplar Grove street, near Lawrence street, Baltimore, \$12,500. Architect, private plans. Brick, 2 stories, 20x80 feet, tin or slag roofs, electric lighting. Owner, Philip S. Morgan, 12 East Lexington st., Baltimore, is taking sub-bids on all lines.

Dwelling, Guilford, Md., \$15,000. Architect, George R. Morris, Title Building, Baltimore. Owner, Dr. A. B. Chalmers, care of Penn Mutual Life Insurance Co., Munsey Building, Baltimore. Frame and stucco, 2 stories, slate roof, steam heating, electric lighting, tile baths. Contract awarded to George R. Morris, Title Building, Baltimore.

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Dormitory and Boiler House, Chestertown, Md. Architect, private plans. Owners, Washington College, James W. Cain, chairman Building Committee, Chestertown, Md. Brick, 3½ stories, 117x108 feet, limestone trimmings, slate roof, slag and terra cotta tile roof, electric lighting, marble work, metal work. Boiler house, 1 story, 44x105 feet. Contract for dormitory awarded to Henry S. Rippel, 7 Clay street, Baltimore, Md., \$44,190. Con-

tract for boiler house awarded to Clarence E. Stubbs, Equitable Building, Baltimore, \$9,800.

Residences (6), Sparrows Point, Md. Architects, Bissoll & Sinkler, Bailey Building, Philadelphia. Owners, Maryland Steel Co., Sparrows Point, Md. Hollow tile and plaster, 2 stories, 23x29 feet each, Birds-Pro-slate roofs, hot air heating, electric lighting. Contract awarded to Charles L. Stockhouse Co., Marine Bank Building, Baltimore, Md.

Bungalow, Paoli avenue, west of Pechin st. Cost, \$2,800. E. Henson (O), Ridge and Ripka avenues. Geo. M. Robinson (C), 515 Conarro street. Frame, 1 story, 27x38 feet, slate roof.

Garage, Sixty-fifth street, east of Woodland avenue. Cost, \$500. Aleck Harkins (O), Sixty-third and Woodland avenue. A. A. Bulmer (C), 6333 Paschall avenue. Brick, 1 story, 17x18 feet, cement floor.

Store, 1226 Race street. Cost, \$5,900. B. Alexander (O), Hale Building, Philadelphia. D. Henwood (C), 1509 Wood street. Brick and stone, 2 stories, 20x100 feet, slag roof.

Garage, Sixty-second street, south of Cedar avenue. Cost, \$7,500. Fred Fling (O), 6049 Catharine street. J. D. Fisher (C), 5718 Market street. Brick, 1 story, 52x200 feet, slag roof, cement floors.

Garage, southwest corner of Clementine and Miller streets, \$550. Barth. Faurek (O), on premises. J. W. Zanysek (C), 3169 Tilton street. Brick, 1 story, 13x17 feet, slag roof, cement floor.

Garage, southeast corner Sixty-first and Carpenter streets, \$495. James Germell (O), on premises. George B. Mitchell (C), 1514 Cambridge street. Brick, 1 story, 11x20 feet.

Garage, northwest corner of Forty-seventh street and Paschall avenue, \$9,000. Ribert Chalfont (O), on premises. Loos & Dohard (C), Commercial Trust Building. Brick, 1 story, 53x123 feet, slag roof.

Residences (21) and Store, Wakeling and Edmund streets, \$55,000. C. Emory Starner (O and C), 2847 North Twenty-seventh street. Brick, 2 stories, 15x23 feet, slag roof, hot water heat.

Residences (7), Peach street and Lansdowne avenue, \$17,000. Calvin W. Rogers (O and C), 237 South Forty-ninth street. Brick and stone, 2 stories, 14x26 feet, gravel roof, hot water heat.

Church, southeast corner of Orthodox street and Torresdale avenue, \$30,000. Orthodox M. E. Church (O), on premises. George Barham Bond (C), Sixty-sixth avenue and Thirteenth street, Oak Lane. Stone, 2 stories, 69x100 feet, slate roof, steam heat.

Residence, Fifty-third street, south of Woodbine avenue, \$6,000. Elizabeth A. Wood (O), 3210 Columbia avenue. Robert Wood (C), 3210 Columbia avenue. Stone, 3 stories, 28x40 feet, slate roof, hot water heat.

Residences (27), Sixty-second and Spruce streets, \$71,600. Harry Green (O), 1511 South Fifth street. Herman Bechersoff (C), 5156 Haverford avenue. Brick, 2 stories, 15x30 feet and 18x50 feet, slag roof, hot water heat.

Garage, northeast corner Springfield avenue and Farson street, \$5,000. H. N. Diesel (O and C), 5039 Springfield avenue. Brick, 1 and 2 stories, slag roof, steam heat, cement floor.

Wagon Shed, Victoria and Bath streets, \$350. Charles Morlock (O and C), 2873 East Venango street. Open shed, 24x40 feet, slag roof.

Garage, Fifteenth and Courtland streets, \$45,000. Strawbridge & Clothier (O), Eighth and Market streets. Stacy Reeves & Sons (C), 2011 Market street. Brick, steel and concrete, 1 story, 100x154 feet, slag roof.

Store, 1830-34 Market street, \$30,000. Chas. Green, trustee (O), 2218 Tioga street. Stacy Reeves & Sons (C), 2011 Market street. Brick, steel and terra cotta, 2 stories, 40x175 feet, slag roof, steam heat.

Garage, 3314 Fairmount avenue, \$1,500.00. Peter J. Gallagher (O and C), 722 North Thirty-sixth street. Brick, 2 stories, 25x70 feet, slag roof, hot water heat, cement floor.

Residences (10), Sixth street, south of Bristol street, \$20,000. Francis B. J. Brana-

Miscellaneous Construction News

Residence (alts.), Bellevue, Del. Architects, Guy King & Co., 1513 Walnut street, Philadelphia. Owner, Harold Perot Keen, Bellevue, Del. Stone, 2½ stories, slate or asbestos shingle roof, hot water heating, electric lighting, tile work. Architects have received bids.

Laboratory Building, near Wilmington, Del. Architect, Robeson L. Perot, 34 South Seventeenth street, Philadelphia. Owner, Francis I. duPont, Wilmington, Del. Terra cotta and stucco, 1 story, 132x22 feet and 273x22 feet, Spanish tile roof (heating and lighting reserved). Architect taking bids, due August 4th. The following are figuring: Pomeroy Construction Co., 1709 Ranstead street; El-

freth & Co., 1708 Sansom street, both of Philadelphia, and W. D. Haddock & Co., and A. S. Reed & Bro., both of Wilmington, Del.

Residence and Garage, Greenville, Del., \$100,000. Architect, Leon Wilde Crawford, Equitable Building, Wilmington. Owner, Eugene E. duPont, Wilmington, Del. Hollow tile and plaster, 2½ stories. Residence, 95x36 feet; wing, 18x36 feet; garage, 1 story, 43x24 feet, slate roof, metal lath, oak floors, damp-proofing and waterproofing, concrete floors (plumbing, heating, electric work and tile work reserved). Contract awarded to Pomeroy Const. Co., 1609 Ranstead street.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Garage, Haines street, east of Chew street. Cost, \$1,200. Wm. C. Kimber (O), on premises. B. H. McLaughlin (C), 5226 Larchwood avenue. Stone, 1 story, 20x24 feet, metal sash and doors, shingle roof.

Residences (6), Fiftieth street, south of Beaumont street. Cost, \$16,200. Calvin W. Rogers (O and C), 237 South Forty-ninth st. Brick, 2 stories, 16x33 feet, gravel roof, hot water heat.

Residence, 546 Tasker street. Cost, \$1,800. M. Tonkin (O and C), 245 Greenwich street. Brick, 2 stories, 15x26 feet, pitch and gravel roof, steam heat.

Heating Building, southwest corner Sixth and Tabor road. Cost, \$10,000. Phila. Textile Machinery Co. (O), Hancock and Somerset streets. Hennebique Const. Co. (C), care Lee S. Harris, Drexel Building. Brick and reinforced concrete, 1 story, 35x40 feet, slag roof, steam heat.

Garage, 5755 Wayne avenue. Cost, \$450. Chas. J. Hammer (O), 5721 Wayne avenue. Samuel Stubbs (C), 126 W. Courtland street. Brick, 1 story, 26x22 feet.

Power House, Philip street, north of Somerset street. Cost, \$6,000. Haddleigh & Co. (O), American and Somerset streets. Harry Brocklehurst, 512 Norris street. Brick and concrete, 1 story, 70x45 feet, plank roof.

Residence, Belfield avenue and Wingohocking street. Cost, \$6,000. Lashner & Silver (O), 1700 South Fifth street. S. Lashner (C), 1700 South Fifth street. Brick, 2½ stories, 16x44 feet, slag roof, hot water heat.

Office Building, Ninth and Lindley avenue. Cost, \$500. Owen Hutten (O), Park and Oak Lane avenues. J. Wesley Fretz (C), Thirteenth street and Medary avenue. Brick, 1 story, 13x14 feet.

Garage, 631 South Felton street. Cost, \$2,500. McGarrity & Travis (O), 632 South Sixty-second street. Thos. McGarrity (C), 6230 Catharine street. Brick, 1 story, 50x100 feet, slag roof.

Residences (28), Clearview and Pleasant street. Cost, \$58,000. David Brown (O and C), 2422 South Seventh street. Brick, 2 stories, 15x35 feet and 16x48 feet, slag roofs, hot water heat.

Residences (9), Twentieth street, between Stenton and Sixty-fifth avenues. Cost, \$19,800. Penn Realty & Construction Co. (O and C), Ogontz avenue, above Cheltenham avenue. Brick, 2 stories, 18x37 feet, slag roof, hot water heat.

Garage, rear of 61 W. Seymour street, on Garfield street. Cost, \$300. L. E. Sweger (O and C), 61 W. Seymour street. Brick, 1 story, 13x16 feet, slag roof.

Manufacturing Building, Stenton and Wyoming avenues. Cost, \$30,000. National Drug Co. (O), Wayne Junction, Philadelphia. Melody & Keating (C), 1218 Chestnut street. Brick and reinforced concrete, 3 stories, 48x95 feet, slag roof.

Service Station, northeast corner Broad and Hunting Park avenue. Cost, \$15,000. Atlantic Refining Co. (O), Philadelphia. Metzger & Fisher (C), Denekla Building. Brick, steel and terra cotta, 1 story, 16x25 feet.

Residences, 2618 Livingston street. Cost, \$1,800. John Jameson (O and C), 2581 E. Huntingdon street. Brick, 2 stories, 14x25 feet, slag roof, hot air heat.

Residences (3), Fountain and Silverwood streets. Cost, \$4,300. John Sloan (O), 7925 Ridge avenue. Geo. M. Robinson (C), 515 Conarro street. Brick and stone, 2 stories, 15x30 feet, slag roof.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

gan (O and C), 537 West Erie avenue. Brick, 2 stories, 15x30 feet, slag roof, hot water heat.

Garage, 5210 Drexel road, \$1,000.00. Dr Burch (O), on premises. John T. Sanders (C), 5111 Walton avenue. Stone, 1 story, 18x23 feet, slate roof.

Residences (15), Godfrey and Ogontz avenue; (8), Limekiln Pike and Ogontz avenue, \$85,100. Davis E. Supplee (O and C), Ogontz avenue and Limekiln pike. Brick, 2 stories, 16x40 feet, slag roof, hot water heat.

Residences (30) and Store, Twenty-first and Spruce streets, \$57,300. Chas. B. Maguire (O and C), 112 North Broad street. Brick, 2 stories, 16x31 feet, slag roof, hot water heating.

Stores and Dwellings (4), Norwood street and Cheltenham avenue, \$14,100. Charles A. Mahon (O and C), 907 Northeast Boulevard. Brick, 2 stories, 16x29 feet, slag roof, hot water heat.

Garage, southwest corner Sixtieth and Irving streets, \$500. W. S. Moulder (O), on premises. Alvin E. Kehl (C), 324 South Fifty-ninth street. Brick, 1 story, 16x16 feet, slag roof.

Alterations and Additions

Dwelling, Fortieth and Irving streets. Cost, \$5,700. White Dental Mfg. Co. (O), Twelfth and Chestnut streets. F. A. Havens Co. (C), 845 North Nineteenth street. Consists of interior alterations.

Rooming Houses (2), 1340 and 42 Pin street. Cost, \$625. Penn Co. (O), 517 Chestnut street. F. B. Davis (C), 240 North Sixteenth street. General alterations.

Store and Dwelling, southwest corner Manheim and Wayne avenue. Cost, \$1,600. S. Jacomider, 4428 Ludlow street. A. Dadoorian (C), Clifton Heights, Pa. Brick, 2 stories, new bulk.

Motion Picture Theatre, Broad street, south of Erie avenue. Cost, \$18,624. Nicholas Hayes (O), southeast corner Broad and Erie avenue. Hogg Construction Co. (C), 1634 Sansom street. Brick and concrete, 1 story, ornamental terra cotta, cement floors.

Hotel, southeast corner Twelfth and Pine streets. Cost, \$1,400. Amos Scott (O), on premises. J. Rose & Son (C), 5121 Brown st. New brick front.

Dwelling, southwest corner Eighteenth and Berks streets. Cost, \$1,500. Klonower Estate (O). J. Rose & Son (C), 5121 Brown street. Brick, 1 story, general alterations.

Dwelling, 1602 South Fourth street. Cost, \$850. Samuel Harris (O), 1612 South Fourth street. A. Barsky (C), 636 Pine street. Brick, 1-story addition, 12x12 feet.

Store and Dwelling, 1151 South Seventh street. Cost, \$1,900. Guiseppe Nacchio (O), 721 South Seventh street. James Magnatta (C), 1124 South Seventh street. New brick front and general alterations.

Work Shop, 1629 Ludlow street. Cost, \$500. Bowers Bros. & Co. (O), Real Estate Trust Building. John J. Murphy & Co. (C), 1139 South Wilton street. Consists of general alterations.

Dwelling, 1810 Spruce street. Cost, \$900. Dr. J. P. Croyer Griffith (O), on premises. George Dobbin (OC), 8341 Germantown avenue. Brick, 1 story, 11x16 feet, interior alterations.

Parish House, Sixty-first street and Cedar avenue. Cost, \$2,000. St. George's Church (O), on premises. James C. Driscoll (C), 1524

Residence, Camac street, north of Cheltenham avenue, \$5,700. Herbert L. Pallott (O), 3836 Sydenham street. Arthur V. Turner (C), 6328 North Camac street. Frame and stucco, 2 stories, 24x29 feet, hot water heat, slate roof.

Power House, Braddock street, north of Westmoreland street, \$30,000. Thomas Walstenholm Sons & Co. (O), Frankford avenue and Westmoreland street. A. L. Fretz & Son (C), Heed Building. Brick, 1 story, 179x42 feet, wood roof.

Residence and Garage, Akron street, east of Wakeling street, \$7,400. Warren Allen (O), 4920 Penn street. John Fotheringham (C), 3367 Frankford avenue. Brick, 3 stories, 17x29 feet, hot water heat, slate roof.

Twin Residences (2), Princeton street, west of Oakley street, \$10,000. Michael Stevens (O and C), 910 Fanshaw street. Brick and stone, 2½ stories, 14x40 feet, tin roof, hot water heat.

Residence and Garage, northeast corner Akron and Wakeling streets, \$13,825. Wm. H. Wolstencroft (O), 5019 Penn street. H. A. L. Smink (C), 5320 North Twelfth street. Brick and stone, 3 stories, 17x20 feet, slate roof, hot water heat.

Chestnut street. Stone and brick and interior alterations.

Saloon and Dwelling, northwest corner Wolf and Hemberger streets. Cost, \$1,500. Jas. O'Brien (O), 1244 Snyder avenue. H. D. Prettyman (C), 2603 South Broad street. Brick, 2 stories, general alterations, bar fixtures.

Stores and Dwellings (3), 917½-19-21 N. Marshall street. Cost, \$4,665. Schatz & Swartz (O), 733 Walnut street. J. Donde (C), 855 North Fifth street. Brick, 3 stories, new bulks and interior alterations, 1-story addition, 10x24 feet.

Store and Warehouse, 602 Arch street. Cost, \$1,000. Adams Estate (O), 1201 Chestnut street. Thayer & Co. (C), 1233 Ludlow st. Brick, 3 stories, 24x20 feet, rear addition.

Store and Residence, 1102 W. Girard avenue. Cost, \$410. H. Kaufman (O), on premises. J. Solomon (C), 1234 North Fifth street. New brick front.

Dwelling, 3245 North Front street. Cost, \$360. Dr. John P. Emich (O), on premises. Wm. H. Schultz (C), 3340 North Carlisle street. Brick addition, 1 story, 9x13 feet, slag roof.

Residence, School lane and Wissahickon avenue. Cost, \$2,000. F. H. Strawbridge (O), Germantown, Philadelphia. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Brick and stone, 15x60 feet.

Store and Dwelling, Market street, east of Salford street. Cost, \$2,000. John McGurk (O), on premises. Chas. C. White (C), 7 S. Fifty-second street. Brick, 2 stories, 16x20 feet addition, slag roof.

Parish House, southeast corner Lena and Rittenhouse streets. Cost, \$1,100. Parish of St. Vincent de Paul, Germantown, Philadelphia. Wm. C. Wright (C), 22 Harvey street. Stone, 1 story, 12x15 feet.

Convent, Price street, east of Fairfax st. Cost, \$4,400. Parish of St. Vincent de Paul, Germantown, Philadelphia. Wm. C. Wright (C), 22 Harvey street. Stone, 3 stories, 17x15 feet and 17x37 feet, tin roof.

Stores and Offices, northwest corner Juniper and Chestnut streets. Cost, \$15,000. Estate of P. A. B. Widener (O), Land Title

Building. Geo. A. Fuller Co. (C), Widener Building. Consists of interior alterations.

Garage, 4704 Parrish street. Cost, \$1,700. Wm. L. Lansterer (O and C), on premises. Brick, 1 story, 34x45 feet and 16x10 feet, slag roof.

Store and Dwelling, 6101 Marshall street. Cost, \$450. James T. Ivers (O), on premises. Chas. C. White (C), 7 South Fifty-second st. Brick and stone cellar, 15x14 feet.

Store and Dwelling, 1516 Spruce street. Cost, \$2,000. Chas. T. Ashman (O), 1622 Chestnut street. F. T. Mercer Co. (C), 1706 De Lancey street. New bulk and interior alterations.

Stores and Dwellings (4), 2728-34 Kensington avenue. Cost, \$9,000. Abraham Kossoy (O), 1609 South Fifth street. Lester Shestack, 322 Dickinson street. Brick, 2 stories, new bulks and general alterations.

Theatre, northeast corner Broad and Cherry streets. Cost, \$1,500. Lyric Theatre (O), on premises. F. W. Van Loon (C), Denckla Building. Alterations to dressing rooms.

College Buildings (4), S. College avenue, opposite Corinthian avenue. Cost, \$35,500. Girard Estate (O), Lafayette Building. F. W. Van Loon (C), Denckla Building. General exterior and interior alterations.

Manufacturing Building, Harold and Moyer streets. Cost, \$5,500. Geo. D. Wetherill & Co. (O), 114 North Front street. Harry H. Wehmeyer (C), 1004 W. Lehigh avenue. Fire repairs.

Club House, 1619-21 South street. Cost, \$2,000. I. V. Catts Lodge (O), on premises. J. Trent (C), 2041 Master street. Brick, 3 stories, 14x10 feet addition, alteration to old building, fire tower.

Saloon and Dwelling, northwest corner Fifty-second and Stiles streets. Cost, \$580. John T. Jordan (O), southwest corner Fiftieth and Haverford avenue. Hirst Bros. (C), Torresdale avenue and Longshore street. Hot water heating apparatus.

Residence, 4710 Springfield avenue. Cost, \$4,000. F. M. Schwab (O), on premises. Stuckert & Co. (C), 1420 Chestnut street. Brick addition and interior alterations, electric light, hot water heat.

Studio, 1834 Arch street. Cost, \$1,000. John F. Lewis (O), 106 South Fourth street. John Duncan (C), 920 Walnut street. New skylights.

Residence, 1325 E. Haines street. Cost, \$450. John H. Goodwin (O and C), on premises. Brick, 2 stories, 16x13 feet, asbestos shingle roof.

Residence, northeast corner Pelham and Cresheim roads. Cost, \$2,500. O. E. Mertz (O), 140 W. Phil Elvena street. H. H. Burrell (C), 206 S. Quince street. Brick, 1 story, 13x9 feet, and interior alterations.

Residence, 409 Westview avenue. Cost, \$300. H. W. Neill (O), on premises. Thos. Little & Son (C), 1713 Moravian street. New slate roof.

Residence, 814 South Forty-eighth street. Cost, \$3,000. Avery D. Harrington (O), 133 South Twelfth street. Le Roy K. Smith (C), Forty-first and Chester avenue. General alterations, tin roof, hot water heat.

Hotel, 1217 Filbert street. Cost, \$900. J. W. Thomas (O), on premises. Frank G. English (C), 1608 North Carlisle street. Exterior and interior alterations.

Store and Dwelling, 1022 Walnut street. Cost, \$2,000. Lydia R. Simple (O), care A. Boswell, agent, 233 North Thirteenth street. H. Reusswick (C), 137 North Tenth street. Brick addition, 1 story, 8x34 feet, fireproofing.

Residence, 1940 North Thirteenth street. Cost, \$500. Michael De May (O), 1940 North Thirteenth street. Adam Berk (C), Twelfth

and Montgomery avenue. Hot air heating system.

Garage, northwest corner Thirty-fourth st. and Sunnyside avenue. Robert Jolly (O), 3410 Ainslie street. Gottlob Steinle (C), 3443 Sunnyside avenue. Stone and concrete, 1 story, 48x40 feet, slag roof.

Dwelling, rear 1544 Cayuga street. Cost, \$400. Patrick Fitzgerald (O), on premises. T. Gregg (C), 4511 North Nineteenth street. Brick addition, 10x12 feet, slag roof.

Laundry, 236 South Ninth street. Cost, \$500. C. J. Miller (O), on premises. Geo. Kessler Contracting Co. (C), Drexel Building. Minor alterations.

Office and Drying Room, Westmoreland and Emerald streets. Cost, \$1,000. Caledonian Dye Works (O), on premises. Stewart Bros. (C), 2526 North Orkney street. New pine roof and brick walls.

Dwelling, 317 E. Lehigh avenue. Cost, \$450. E. Hodgson (O), on premises. Matthew Morrison & Son (C), 2322 North Howard st. New brownstone front.

Residence, 6320 Drexel road. Cost, \$3,000. Luther D. Lovekin (O), on premises. Wm. N. Thompson (C), 1529 Filbert street. Brick, 2-story rear addition, 15x16 feet.

Store and Dwelling, 610 E. Allegheny avenue. Cost, \$600. Mary Loftus (O), Boudnot street and Allegheny avenue. Arthur S. Brown (C), 1403 E. Clearfield street. General alterations.

Store and Dwelling, northeast corner Seventh and Morris streets. Cost, \$375. M. Margolis (O), 1632 South Fourth street. Isaac Gold (C), 1911 South Fifth street. General alterations and new bulk.

Store and Dwelling, 6431 Woodland avenue. Cost, \$1,100. Dominico Criscuolo (O), 2140 South Sixty-first street. Rocco D. Andrea (C), 834 Eary street. Brick addition, 2 stories, 15x12 feet, slag roof.

Dwelling, 2251 North Thirteenth street, \$450.00. Gustav A. Newmann (O), on premises. P. G. Benkmann (C), 424 South Fourth street. Brick addition, 1 story, 13x12 feet, gravel roof.

Store and Dwelling, 208 Sansom street, \$400.00. F. Mariolongo Estate (O). Bennie Kuster (C), 3366 Frankford avenue. Repairs.

Store and Dwelling, 6429 Woodland avenue, \$1,100. Florence Carmon (O), on premises. Rocco D'Andrea (C), 834 Eary street. Brick, 2 stories, 15x12 feet, slag roof.

Residence, 1515 North Thirty-third street, \$1,068. William Gordon (O), on premises. A. McClintock (C), 1937 Ridge avenue. Vacuum heating apparatus.

Office Building, 1705-07 Filbert street, \$1,500. Pennsylvania Railroad Co. (O), Broad Street Station. Harry R. Rust (C), 19 South Eighth street. Metal windows, wire lath.

Residence and Garage, northeast corner of Forty-ninth street and Chester avenue, \$7,000. J. B. Cancelmo (O), Forty-sixth and Spruce streets. Strawbridge & Clothier (C), Eighth and Market streets. Alterations, plumbing, heating, tile work. Garage, stone, 1 story, 18x22 feet, slate roof.

Dwellings, 2023-25 Wharton street, \$640.00. J. B. Jardell, Agt. (O), 1535 Christian street. William Johnston (C), 1625 South Nineteenth street. New brick fronts.

Store, 1205 Market street, \$375.00. S. L. Block (O), Broad and Wallace streets. Chris. Hoffman (C), 210 Dickinson street. Fire escape.

Store and Dwelling, 2027 South Fifth street, \$300. L. Brodsky (O), on premises. J. Glazer (C), 635 North Moyamensing avenue. Fire repairs.

Dairy Building, northeast corner of Thirty-first and Chestnut streets, \$1,800. Abbott's Alderney Dairy (O), on premises. George B.

Clopp (C), 3719 Filbert street. Brick, 1 story, 66x33 feet, corrugated iron roof.

Residence, 4815 Warrington avenue, \$800. J. Beckley Burns (O), on premises. Frederick Sabin & Co., Inc. (C), 237 Bread street. Hot water heating system.

Col Storage Building, southeast corner of Twenty-ninth and Market streets, \$5,000.00. Pennsylvania Cold Storage Market Co. (O and C), on premises. Brick alterations, cold storage plant.

Dwelling, 417 Spruce street, \$675.00. J. P. Young (O), 226 South Eighth street. Chris. Hoffman (C), 210 Dickinson street. Fire escape.

Dwelling, northwest corner of Second and Fitzwater streets, \$400.00. S. H. Conlin (O), on premises. Chris. Hoffman (C), 210 Dickinson street. Fire escape.

Store and Dwelling, 1222 West Dauphin street, \$1,600. Louis Silverman (O), on premises. Jacob Bender (C), 1817 South Fourth street. Brick, 3 stories, 16x8 feet, slag roof, bulk window.

Salesrooms, 36 North Second street, \$600. Patterson & Coane (O), on premises. H. C. Dahl (C), 231 South Eighth street. New front and bulk.

Office Building, northeast corner of Fifth and Chestnut streets, \$450. Girard Estate (O), on premises. H. H. Burrell (C), 206 South Quince street. Steel window.

Dwelling, 1426 South Sixteenth street, \$750. Giovanni Maraten (O), 1236 South Sixteenth street. A. J. Fiovello (C), 2505 South Fifty-eighth street. Brick, 2 stories, 9x12 feet, slag roof.

Store, 240 Market street, \$2,000. Lea Estate (O). Henry M. Kister (C), 621 Sansom street. Repairs.

Stable, 1249 North Hancock street, \$500.00. Mr. Cadwalader (O), 1504 Frankford avenue. Louis Cohn (C), 417 Christian street. Brick, 2 stories, repairs.

Garage, southeast corner of Edgemont and Elkhart streets, \$3,500. Edward D. Smith (O and C), 3017 East Edgmont street. Brick, 1 story, 40x105 feet. Rubberoid roof, cement floor.

Residence, 1928 Chestnut street, \$1,000.00. R. H. Skillern (O), 2030 Chestnut street. Interior alterations, heating.

Store and Dwelling, 1940 North Thirteenth street, \$300. M. DeMay (O), on premises. George H. Frank (C), 1113 Cherry street. Bay windows.

Garage, 5023 North Broad street, \$4,000.00. G. C. Seidel (O), Fourth and Callowhill sts. Herman Voigt (C), 1251 North Twenty-eighth street. Interior alterations.

Storage Shed, 3942-50 Frankford avenue, \$1,000. C. Alfred Winsch (O and C), 4403 North Ninth street. Frame, 1 story, general repairs.

Stores (2), 4269-71 Frankford avenue, \$400. Alexander Mackie (O), Sharon Hill, Pa. Chas. McGinnis (C), Sharon Hill, Pa. New bulks.

Storage Building, northwest corner of Twenty-fourth and Bainbridge streets, \$8,000. Thornton Fuller Co. (O), 2041 Market street. John Dillon (C), 620 Cherry street. Brick, 1 story addition, slag roof.

Store and Dwelling, 1322 Wharton street, \$1,200. Stefano Caminite (O), 1303 Pass-yunk avenue. Carmelo Oliveri (C), 1303 Pass-yunk avenue. Brick addition, 2 stories.

Manufacturing Building, 321 North Third street, \$3,000. McAdoo & Allen (O), 329 North Third street. Jacob Myers Sons Co. (C), 608 Witherspoon Building. Interior alterations, new bulk.

Residence, 5151 Wissahickon avenue, \$500. Robeson Lea Perot (O), on premises. Elfreth & Co. (C), 1708 Sansom street. Terra cotta wall, asbestos shingle roof.

Hospital, southwest corner of Thirty-fourth and Spruce streets, \$2,000. University of Pennsylvania (O), Thirty-fourth and Spruce streets. Irwin & eighton (C), 126 North Twelfth street. Brick and reinforced concrete, 2 stories, 11x12 feet, cement floor.

Motion Picture Theatre, 333 Market street, \$550. Market Street Theatre Co. (O), on premises. H. C. Dahl (C), 231 South Eighth street. Organ enclosure, fireproof, expanded metal.

Warehouse, Front and Willow streets, \$5,000. Charles Hires (O), Twenty-fourth and Walnut streets. A. H. Spenard (C), 822 Wood street. General repairs, elevator.

Residence, 1904 Girard avenue, \$400. Geo. H. McClatchy (O), 5906 Lansdowne avenue. Max Chippin (C), 2212 North Franklin street. Interior alterations.

Residence, 1709 Spruce street, \$450. Dr. Reynolds Wilson (O), on premises. Richards & Shourds (C), 1125 Spring street. Interior alterations.

Store and Dwelling, southeast corner of Fifty-second and Arch streets, \$900. John Dougherty (O), northwest corner of Fifty-first and Walnut streets. Frederick Sabin & Co., Inc. (C), 237 Bread street. Hot water heating system.

Storage Shed, 906 North Jessup street, \$300. Philadelphia Milk Exchange (O), 1115 Poplar street. Howard Rudderson (C), 1115 Poplar street. Brick addition, slag roof.

Store and Dwelling, 204 Brown street, \$800. E. Child (O), 202 Brown street. M. Bakse (C), 1540 North Sixth street. Repairs.

Residence, 6625 McCallum street, \$1,500.00. Robert P. Shick (O), Franklin Bank Building. J. A. Dunkelberger (C), 71 Herman street. Interior alterations.

Residence, 6623 McCallum street, \$1,500.00. Mrs. E. G. Thomas (O), care of contractor. J. A. Dunkelberger (C), 71 Herman street. Interior repairs, metal casements.

Store and Dwelling, 828 Ritner street, \$900. M. Milgram (O), 2443 South Tenth street. H. Neiman (C), 2439 South Beulah street. Fire repairs.

Store and Dwelling, 945 South Ninth street, \$450. Antonio Giunta (O), on premises. Virgilio Cesaroli (C), 1231 Christian street. Repairs.

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

Bids for the furnishing of materials and construction of new High School Building, Ridley Park, Pa., will be received by the Ridley Park School District at Ridley Park School, Ridley Park, Pa., Tuesday, August 15th, 1916, 8 P. M. Proposal bond to accompany bids. The Ridley Park School District reserves the right to reject any or all bids. Separate bids will be received for Plumbing, Heating and Electric Work. Plans and specifications can be seen at the office of the architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia, Pa.

RIDLEY PARK SCHOOL DISTRICT.

G. L. Jones, President.

J. B. Partridge, Secretary.

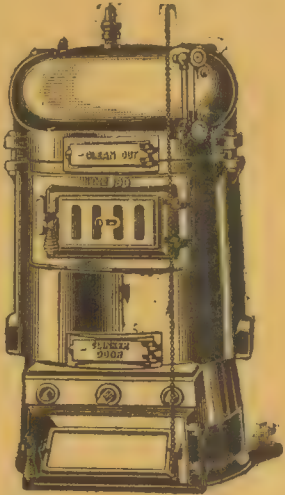
Portland Cement, Sand or Gravel by the carload. Consult DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
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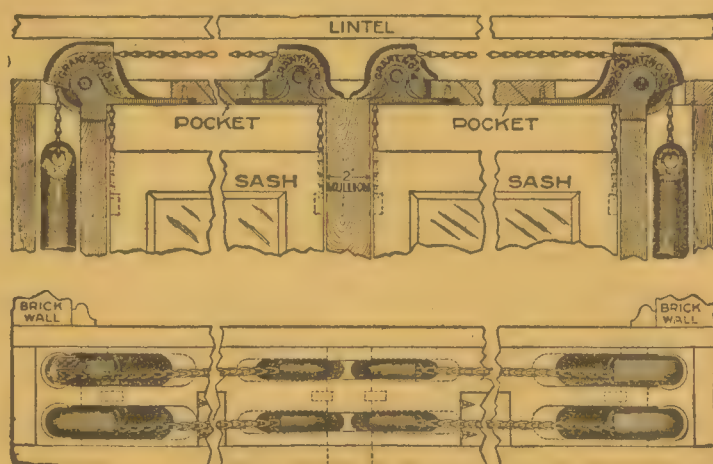
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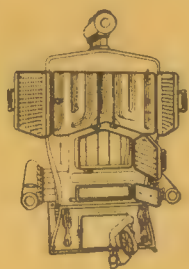


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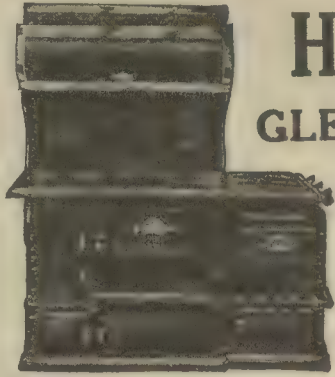
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BUILDERS' GUIDE

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VOLUME XXXI
Number 32

PHILADELPHIA
August 9, 1916



As The Editor Sees It



Passing of the Skyscraper.

NEW YORK'S new building law, approved by the Board of Estimate, marks the passing of the skyscraper. The new law provides, in the business district, that no future building shall exceed in height twice the width of the street on which it faces. If the new building stands on a corner, the widest street is to be the basis of calculation. After reaching the limit of height allowed by law, based on the width of the street, the building may be carried higher only by a mansard roof or tower. But any addition above the legal height of the main building must be set back at least one foot for every four feet of added height.

For example: Broadway, Second, Third, Fourth, Fifth, Sixth, Seventh and Eighth avenues and Fourteenth, Twenty-third, Thirty-fourth, Forty-second, Fifty-ninth and One Hundred and Twenty-fifth streets are 100-foot streets. The owner of a lot fronting on any of these streets may in future build at the street line a main structure not more than 200 feet in height. A tower or other superstructure can be added only in this proportion: If the base of the tower sets 12 feet back of the building line it can be carried up 48 feet; if it sets 36 feet back it can be carried up 144 feet, and so on. Where a street in front of a building is more than 200 feet wide, no extra height of building is allowed. To front on a park gives no advantage.

The general rule as to towers is that after a building has reached its height limit, a tower equal to 25 per cent. of the area of the site may be built without limit to the height. In other words, reduce a lot to 25 per cent. of its total area and the building thereon is not limited as to height. The faces of the tower must be at least seventy-five feet from the centre of the street.

This rule so reduces towers in size

that the square foot of renting space, after provision is made for elevators, is so small that very high towers will no longer be built, because they cannot be made commercially profitable

* * *

Ten Stories to Be Standard.

AS most of the streets of New York are sixty feet in width, the height of new buildings will be limited to 120 feet in most districts. From ten to twelve stories will be the standard. Madison avenue is seventy-five feet wide. There 150-foot buildings will in future be the limit. In Park avenue 200 feet in height is the new limit.

Every age has been signalized by a distinctive architecture; the ancient world by temples, coliseums and pyramids; the Middle Ages found their expression in the great cathedrals; and New York has typified this modern age of colossal material achievement, the greatest the world has ever known, by inventing a style of architecture absolutely original, distinctively American and as useful as it is beautiful, says the "New York American."

But our present city government does not approve it. They put a perpetual ban upon the ingenuity of architects and the enterprise of builders. As to height, they mean to go backward instead of forward.

Other parts of the plan adopted by the Board of Estimate, including the districting of the city for residence and business purposes, meet with universal approval. Architects are divided and many are reticent about height regulations, but many leading ones approve it.

Of course, the limitation of the heights of buildings can be repealed by future legislatures whenever public sentiment requires it. In the meantime, the present owners of the very high buildings of to-day will have a

monopoly of the air. They will be free from competition; no neighbor will be permitted to rise to their level.

* * *

Zoning Idea Popular.

THE Zoning idea appears to have met with general favor. Edward D. Bassett, chairman of the Commission on Building Heights and Districts, says of it:

"I believe that the zoning resolution adopted by the Board of Estimate is the most important thing that has been consummated, so far as real estate is concerned, in the City of New York. Much has been said about its effect upon taxable values, but I believe that these will remain practically unchanged, though the selling values will enhance. It will take, in my opinion, about two years to reflect conditions from the tax standpoint.

"People owning detached dwellings will be glad to know that they are protected against invasions by factories, public garages and business buildings, and owners of business property that no lofts or factories will be permitted within their zone. There are many localities available for residential improvement and these sections are protected against undesirable encroachments.

"It is most important for property owners to realize that the resolution is a primarily protective measure, though it restricts. Property owners have the assurance that they cannot injure their neighbors' holdings, and also that in turn their neighbors are denied the same privilege. This fact automatically protects all alike, and should tend to create a market demand for various classes of buildings throughout the city. Owners can now feel free to repair their existing buildings and thus obtain a more adequate rental than is now the case. This in itself should

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tend to remove a large number of unsightly buildings which do much to mar the beauty of the city. Haphazard development is a thing of the past, and in a community as large as New York City it never should have been tolerated. There is no reason why one man should be permitted to erect a building in such a manner as to obtain light and ventilation from his neighbors without being willing to give in return an equal amount of light and air. To obtain this result has been one of the aims of the commission, and we have welcomed every possible kind of suggestion and have spent a vast amount of time in their study. To put the matter in a homely form, we have been in the position of hungry dogs who are anxious for bones. Even those suggestions which have seemed preposterous on their face, have in many instances, given us ideas which have been valuable in more ways than one.

"Although the Board of Estimate has adopted the zoning ordinance and the maps covering the whole city which accompany it, the work of perfecting the plan can go on indefinitely. At the last session of the Legislature, the zoning provisions of the charter were amended to provide for this. The Board of Estimate can at any time make alterations in the ordinance or the maps. Notice must be given, however, of any such changes, and a public hearing must be held. If the owners of 20 per cent. of the frontage affected by any proposed change protest in writing, then the unanimous vote of the Board of Estimate is required in order to make the change. This makes it possible for any locality that desires to go into the E district (commonly considered the detached house district), to bring their desire to the attention of the Board of Estimate and ask for the change."

* * *

Home Owners Decreasing.

AMONG the arguments cited in support of the zoning idea in New York City is the notable decrease that is taking place in the number of home owners.

The situation affecting home ownership in the city is epitomized under four points by Herbert S. Swan, writing in "The Record and Guide":

1. The number of rented homes is increasing faster than the number of owned homes.

2. While there is an increase in the number of owned homes, this increase occurs not among the free homes, but exclusively among the encumbered homes. In fact, there are more homes mortgaged in a given period than there are homes purchased. In other words, the encumbered homes are increasing at the expense of the free homes whose

owners are gradually either mortgaging them or joining the tenant class.

3. The owners of encumbered homes are not paying off and cancelling their mortgages in order that they might become the owners of free homes. A new lien is contracted for every mortgage liquidated on an owned home.

4. Only a moiety of the equity is acquired in any new home purchased. For every home in which a full equity is acquired, another home is mortgaged.

The percentage of owned homes in the city is declining; that of rented homes increasing. In 1900 one family in every eight owned its home; in 1910 only one family in every nine owned its home. In 1900 only one family in every twenty owned a free home; in 1910 only one family in twenty-eight owned a free home. In 1900 42.2 per cent. of the owned homes were free homes; in 1910 30.2 per cent. of the owned homes were free homes. During this ten-year period the total number of homes in the city increased 41.2 per cent.; the number of free homes declined .8 of 1 per cent. The number of free homes in the city, instead of being increased by the erection of new homes, lost one of the homes owned free in 1900 for every thousand new homes constructed during the decade.

Out of every thousand new homes constructed in the decade 110 were owned homes. In Chicago, 290 were owned homes; in Cleveland, 312; in St. Louis, 327, and in Philadelphia, 451. In only one of the next five largest cities was the number of owned homes per thousand new homes less than in New York. In Boston it was 88. Of the fifty-one cities in the United States with a population exceeding 100,000 the number of owned homes per thousand new homes was probably greater in Spokane than in any other city. There it was 584.

The number of free homes per thousand new homes was a minus quantity in New York. But in Philadelphia 95 out of every 1,000 new homes built were free homes; in Cleveland, 112; in Chicago, 126, and in St. Louis, 173. Even in Boston it was 8. In Spokane it was 283.

Chicago, with less than half as many homes, has more owned homes than New York. New York has only two-thirds as many free homes as Chicago. Philadelphia, with less than one-third the number, has more free homes than New York.

* * *

Conditions in Philadelphia.

SUCH conditions as led to this legislation in New York are not likely ever to be found in Philadelphia, according to the "Ledger," for the one reason that Philadelphia possesses so

much more ground than New York, if for no other, the conditions of congestion which have so seriously affected sections of New York City are not likely to be repeated here. Economic reasons are also playing a much larger part in the erection of very tall buildings than they did formerly. It has been found in many instances in New York City, notably in the case of the Woolworth and Singer buildings, that they are not particularly good investments. Indeed, some years ago the owners of the Singer building admitted that the building was not a good investment, but declared that they were content to charge off the deficit in revenue to advertising.

Philadelphia has several central sites on which it is probable tall buildings of the office building type will be erected within a few years; but these sites are located so far apart from each other that neither the congestion nor the other evils complained of in New York are ever likely to result from their construction.

* * *

The Placing of Statues.

WE ventured to criticize, in a recent number, the unwisdom that has marked the general placing of statues here in Philadelphia, citing in particular the Barry statue in Independence Square, which, in view of the care and time that has been expended on the work of restoring the historic old building and its grounds to the aspect presented by them in Revolutionary days, sounds a decidedly jarring and discordant note.

We are naturally pleased to note that the paragraphs referring to this subject have won their way to the attention of Philadelphians with an interest in the relation which questions of the kind bear to the City Beautiful.

Mayor Smith has offered a suggestion that the seven statues on the City Hall Plaza be placed on well-chosen sites along the Parkway when the new boulevard shall be completed.

* * *

Views of William S. Perrine.

WILLIAM S. PERRINE, the scholarly editor of "The Evening Bulletin," writing his approval of the Mayor's suggestion, adds the recommendation that the Franklin statue on the Chestnut street side of the Post Office be also removed to the Parkway, where it may gain something of the impressiveness of its replica in the Passy district in Paris.

"At the same time," writes Mr. Perrine, "the mistake which was made some years ago, when the Barry statue was provided with a site in Independence Square, should be corrected and a much more fitting one given to it in

one of the best quarters of the Parkway.

"There has never been any other statue than that of John Barry in Independence Square. At various times, however, there have been plans or movements for the erection of statues of American patriots in the Square or State House Yard, as some Philadelphians prefer to call it. Long before the Civil War, for example, there was a movement in which the thirteen original States of the Union were to take part in the erection of a great memorial in honor of the Declaration of Independence, and the patriots of the Revolutionary era. At the time when the Baily statue of Washington was dedicated on the Chestnut street pavement in front of Independence Hall, there were many who thought that it should have been placed in Independence Square, together with a statue of Thomas Jefferson in recognition of him as the chief author of the Declaration.

Many years afterward there was much agitation over the attempt, which was almost accomplished, to put the equestrian statue of Washington in the Square—the one now in old Fairmount Park. But Commodore Barry's statue, which was admitted to the Square while Mayor Weaver was in office, has always seemed to bear a disproportionate and almost incongruous relation to the State House and the background, in the absence of all other statues of the great men whose public careers were peculiarly identified with Independence Hall."

* * *

WHICH parallels somewhat closely our own views on this subject as set forth in the Editorial Comment in question some weeks back.

And, by the way, haven't we an Art Jury which is supposed to take care of questions of this calibre?

EDITORIAL NOTES

It is brought out that approximately \$761,646,000 has been put into companies formed for the purpose of manufacturing war materials during the last two years.

Most of the enterprises were represented by powder, shrapnel, dye, chemical, ship, oil and gas concerns. The last two classes were by far the largest, calling for more than \$432,000,000. A grand total of 411 companies figured during the period named. July showed the smallest total of incorporated companies in eleven months.

This activity among munition makers has resulted in an immense volume of new building made necessary by new plants, extensions and alterations.

* * *

John D. Rockefeller, Jr., is about to erect on Fifth avenue, adjoining the Church of St. Thomas, in New York City, a six-story store and office building of novel and attractive architecture. The building is to be fire-proof throughout, is to be of the finest quality of materials and is to be restricted to a desirable class of tenants.

The fact that the structure is limited to six stories has started talk about a reaction against the skyscraper type of building.

* * *

A prominent New York builder is credited with the assertion that lower land values in that city more than offset higher building costs and that to this circumstance is due the salvation of the building situation in Greater New

York. He claims it to be his experience that as a result of lower land values it costs no more to build an apartment house in that city to-day than it did two years ago.

* * *

The quarterly report of the U. S. Steel Corporation was a revelation of extraordinary earnings and exceeded the wildest prediction. Net earnings of \$81,126,048 for the quarter and \$141,839,672 for the first half year fully warranted the extra dividend on the common stock. Both production and earnings exceeded those of any previous quarter in the company's history. The unfilled orders, amounting to 9,640,458 tons, will occupy the mills for several months.

* * *

The total value of the slate sold in 1915 decreased 13 per cent. from the previous year. For the first time since 1901 the total value of slate sold fell below \$5,000,000. Roofing slate decreased 5 per cent. in quantity and 10 per cent. in value. For the first time since 1898 the number of squares sold was less than 1,000,000 and for the first time since 1900 their value fell below \$4,000,000. Mill stock decreased nearly 15 per cent. in quantity and 17 per cent. in value, the lowest value since 1908, according to the latest statistics of the U. S. Geological Society.

* * *

Mayor Mitchel, of New York City, made the following statement yesterday: "From 1911 to 1916 there was a

decline of \$120,000,000 in the assessed value of land in Manhattan south of 40th street." This is an enormous loss, and directly affects the city's borrowing capacity and the tax rate throughout the five boroughs. Much of this loss could have been avoided had the city exercised a reasonable control over its own development.

"A certain measure of order and system in city building is essential not only to the public health, safety and general welfare, but to the conservation of property values."

* * *

New Castle, Del., is to have a large shipbuilding establishment, a new concern, the Delaware Shipbuilding and Engineering Corporation, capitalized at \$1,000,000, having purchased for \$30,000 a tract of 11 acres from the Pennsylvania Railroad Company. The project, it is understood, is backed by capitalists who are interested in shipbuilding on the Great Lakes. At first steel and wooden boats, 250 and 300 feet long, and marine engines will be built; larger ships later. A capable engineer, who has been on the Great Lakes, will have general charge of the New Castle project. The company is expected to begin operations in a few months, and 1000 men will probably be on the payroll one year hence.

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building, Thirty-third and Arch sts., Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owner, E. M. Harris, 2300 Chestnut street, Philadelphia. Lessees, Adams Express Company, Eighteenth and Market streets, Philadelphia. Brick, concrete and steel, 5 stories, 200x92 feet, slag roof, electric lighting, kalamein doors, tin clad doors, metal lath. Architects have received bids.

Post Office Building, 3116 Market street, Philadelphia. Owner, Lester B. Johnson, St. Girard Building, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Lessees, U. S. Government, P. O. Department, Philadelphia. Consists of general alterations. Architects have received bids.

Power House, Reed Street Yards, Philadelphia, \$30,000. Architect, Wm. H. Cookman, Broad Street Station. Engineer, A. C. Shand, Broad Street Station. Owners, Penna. Railroad Co., Broad Street Station. Brick and terra cotta, 1 story, 30x86 feet and 15x20 feet, slag roof, steel sash, roof ventilators, fire doors. Owners have received bids.

Bank and Office Building, 20 and 22 South Fifteenth street, Philadelphia. Architects, De Armond, Ashmead & Bickley, 1524 Walnut street. Owners, Franklin Trust Co., Fifteenth and Market streets. Engineers, Schofield Eng. Co., Commercial Trust Building, Philadelphia. Brick, stone, terra cotta, concrete and steel, 10 stories, 44x94 feet, slag roof, metal lath (plumbing, heating, electric work and elevators separate bids). Owners have received bids.

Recreation Building, Sixteenth and Wingo-hocking streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, Board of Recreation, 587 City Hall, Philadelphia. Reinforced concrete and stucco, 1 story, 21x21 feet, asbestos shingle roof, metal lath, dampproofing, iron stairs, hollow tile, iron fences (plumbing and electric work separate bids). Lowest bidders, Wills, Ludwick & Co., 34 South Seventeenth street, \$10,882.

Residence, St. Martins, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Edw. Clark, 3d., care architect. Stone, 2½ stories, slate roof, electric lighting. Architects taking bids, due August 16th at noon. The following are figuring: Pringle Borthwick, 8018 Germantown ave; I. A. Dunkelberger, 71 E. Herman street; Wolverton & Collins, 5723 Germantown avenue; Henry L. Brown, 1714 Sansom street; Wills, Ludwick Co., 36 South Seventeenth st.; W. John Stevens, Wyncote, Pa.; Geo. Dobbins, 8341 Germantown avenue.

Factory (alts.), north side of Callowhill, west of Thirteenth street. Architects, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners-Lessees, National Metal Edge Co., Eighth and Willow streets. Consists of general interior alterations, new freight elevator, plumbing, etc. Architect has received bids.

Wagon Shop, 2348 North Second street, Philadelphia. Architects, Milligan & Pieron, 520 Walnut street, Philadelphia. Owners, Charles Kirgus, on premises. Brick, 2 stories, 20x70 feet, slag roof, electric lighting, plumbing. Architects have received bids.

Residence (alt. and add.), 820 North Fourth street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, G. C. Seidel & Co., Fourth and Cal-

lowhill streets, Philadelphia. Consists of general interior and exterior alterations, new slag roof, plumbing and heating system. Plans about completed. Owners are ready for bids.

Sunday School (alt. and add.), Germantown avenue and Upsal street. Architect, private plans. Owners, Second Baptist Church, on cement and wood floors. Owners taking bids, premises. Stone and brick, tin and slate roof, due August 10th. Horace H. Burrell, 206 S. Quince street, is figuring.

Store Building, 671 North Board street. Architect, private plans. Owner, Oscar Isenberg, 203 North Broad street, Philadelphia. Brick and terra cotta, 1 story, 18x60 feet, slag roof, steam heating, electric lighting, metal lath. Lam Building Co., 1001 Wood street, will take sub-bids on all lines.

Residences (15), Norwood and Beechwood streets, south of Spencer street. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, John F. Conlin, 12 W. Willow Grove avenue. Brick, 2 stories, 15x38 feet, slag roof, hot water heating, electric lighting. Plans completed. Owners are ready for sub-bids.

Ice Skating Ring, Fifty-second street, south of Jefferson street. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, name withheld. Brick, 217x127 feet, Ehrets roof, stone and concrete work, wood and cement floors, metal lath, fireproofing, slate work. Architects taking bids, due August 10th at noon. The following are figuring: Stacey Reeves & Sons, 2011 Market street; Milton W. Young, Overbrook, Pa.; Geo. F. Payne Co., 401 South Juniper street; Graham-Campion Co., Heed Building, and Geo. L. Sipps, 912 Locust street.

Trestle, Sixth and Jackson streets, Philadelphia. Architects, private plans. Owners, (Mantua Chemical Co.) Harrison Bros., Thirty-fifth and Gray's Ferry road, Philadelphia. Steel, 293 feet. Owners have received bids.

Factory (alt. and add.), 240 and 242 South Twelfth street. Architect, Wm. Lowenthal, 1202 Chestnut street, Philadelphia. Owners, Jefferson Dye Works, 1201 Sansom street, Philadelphia. Brick, slag roof, terra cotta, stone and cement work, fireproofing, cement and concrete floors. Architect has received bids.

Machine Shop, 140 North Juniper street, Philadelphia. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owner, P. J. Collins, on premises. Brick, 1 story, 18x100 feet, slag roof. Architect taking bids, due August 14th. The following are figuring: James M. Tighe, 245 North Thirteenth street; John A. Codori, 1235 Arch street; Lam Building Co., 1001 Wood street; and Freund-Siedenbach Co., Bulletin Building.

Residences (13), Cobbs Creek Boulevard, below Larchwood avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Julius Finberg, Heed Building. Brick, 2 stories, 15x58 feet, slag roofs, hot water heating, tile baths, hardwood floors. Plans completed. Owner is ready for sub-bids.

Sunday School (alt. and add.), Germantown avenue and Upsal street. Architects, private plans. Owners, Second Baptist Church, on premises. Stone and brick, tile and slate roof, cement and wood floors. Owners taking bids, due August 10th. Wm. J. Gruhler

& Co., 219 E. High street, are figuring.

Factory Building, Darien and Noble streets, Philadelphia. Owners, John Morrell & Co., Philadelphia. Engineer, David O. Davis, Westminster Buildin, Chicago, Ill. Brick and reinforced concrete, 3 stories and basement, 126x50 feet, composition roof, brick floors, reinforced concrete floors, tile work, ventilators, fire doors, fireproofing, stone work. Engineer taking bids. Wm. H. Dougherty, 1610 Sansom street, Philadelphia, is figuring.

Parish House, Lincoln Drive, Germantown. Architect, Spencer Roberts, 1524 Chestnut st., Philadelphia. Owners, Church of the Epiphany, care Rev. I. A. McGrow, Pelham road. Stone, 1 story, 50x99 feet, slate roof (electric lighting and heating reserved). Architect has received bids.

Warehouse (alts.), Third and Pine streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Monarch Machinery Co., 249 North Third street, Philadelphia. Consists of general remodeling present bank building to warehouse, new floors, doors, etc. Architect taking bids, due August 10th. H. E. Baton, Twelfth and Sansom streets, and Wm. H. Eddleman & Sons, 453 Green lane, Roxborough, are figuring.

Church, Fifty-seventh and Baltimore avenue, Philadelphia. Architects, E. E. Hendrickson & Day & Klauder, 925 Chestnut street. Owners, P. E. Church of the Epiphany, Sherwood, Rev. W. N. Parker. Stone, 1 story, 25 x125 feet, slate roof, heating not decided. Plans in progress. Too early for details.

Mill Buildings, Reed to Dickinson, Twenty-fifth to Twenty-sixth streets, Philadelphia. Owners, S. B. & B. W. Fleisher, Eighth and Chestnut streets, Philadelphia. Consists of buildings 1-5, 377x401 feet; power house, 45x100 feet; dye house, 40x38 feet, reinforced concrete and glass, asbestos and tile roof, steam heating, electric lighting, reinforced concrete floors, maple and tile floors, sprinkler system, electric elevators, fire doors, steel sash. Wm. Steele & Sons, 1600 Arch street, are taking sub-bids on all lines, due August 14th.

Freight House (add.), Shackamaxon street, Philadelphia. Architect, private plans. Owners, Penna. Railroad Co., 3200 Powelton avenue, Philadelphia. Brick, 2 stories, 44x50 feet, slag roof, steam heating, metal lath, iron stairs, roof ventilators. Owners have received bids.

Church, Ninth and Watkins streets. Architect, N. Serracino, 1170 Broadway, New York City. Owners, St. Nicholas of Tolentino R. C. Church, Rev. A. Baldassarre, 1718 South Ninth street. Brick, stone and terra cotta, 1 story, 115x54 feet, slate, copper, and slag roof, dampproofing, metal lath, ventilators (heating, plumbing and electric work separate bids). Architect taking revised bids. Melody & Keating, Bailey Building, are figuring.

Power House, Reed Street Yards, Philadelphia, \$30,000. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station. Brick and terra cotta, 1 story, 30x85 feet, and 15x20 feet, slag roof, steel sash, roof ventilators, fire doors. Owners have received bids.

Sunday School and Chapel, Queen Lane Manor, Philadelphia. Architect, Lawrence



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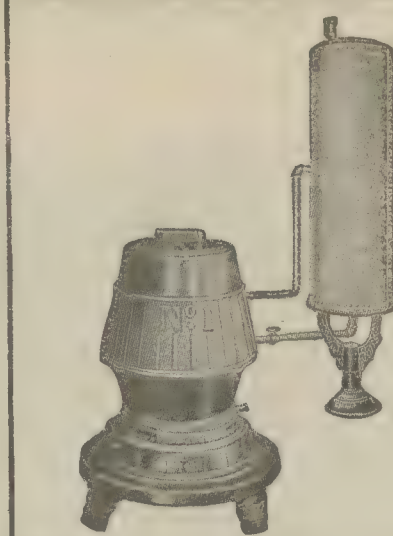
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Vischer Boyd, Harrison Building, Philadel-
phia. Owners, Manor Sunday School Associa-
tion, care L. V. Boyd, president. Frame and
plaster, 1 story, 44x58 feet, slate roof (heat-
ing, lighting reserved). Architect has re-
ceived bids.

Mariner and Merchants Buildin (alt. and
add.), Third and Chestnut streets. Architect,
John T. Windrim, Commonwealth Building,
Philadelphia. Owners, N. W. Ayer & Sons,
on premises. Consists of interior and exter-
ior alterations, reinforced concrete and brick
work, slag roof, steam heating, electric light-
ing, lunch room on roof. Architect taking
bids, due August 10th. H. H. Burrell, 206 S.
Quince street, is figuring.

Residence, Seventh and Chelton avenue,
Philadelphia. Architects, Guy King and E.
A. Wightman, 1513 Walnut street. Owner,
John E. Sheetz, Oak Lane. Stone, 2½ stor-
ies, 40x41 feet, shingle and slate roof, steam
heating, electric lighting, metal lath, tile and
marble work. Architects taking bids, due
August 10th. The following are figuring: H.
H. Wehmeyer, 1004 W. Lehigh avenue; Eugene
Tourison, 1001 Chestnut street; I. T. Shoe-
maker, 1324 Walnut street; Specht & Sperry,
Reed Building; Andrew O'Neill, 7815 Ger-
mantown avenue, and H.A. L. Smink, 5320
N. Twelfth street.

Residence, Chestnut Hill, Pa. Architect,
John Graham, Jr., Real Estate Trust Build-
ing, Philadelphia. Owner, Robert L. Wood,
Ambler, Pa. Frame, 2½ stories, 30x60 feet,
shingle roof (hot water heating, electric light-
ing and plumbing reserved), hardwood floors.
Architect taking bids, due August 12th. The
following are figuring: J. Sims Wilson Co.,
1125 Brown street; Wolverton & Collins, 5723
Germantown avenue; I. A. Dunkelberger, 71
E. Herman street; John Duncan, 920 Walnut
street, Philadelphia, and John D. Staekhouse,
Ambler, Pa.

Community Garage, Arch street, west of
Sixty-second street, Philadelphia. Architect,
E. Allen Wilson, 1208 Chestnut street, Phila-
delphia. Owners, A. T. Elder and A. R.
Christian, Germantown. Brick and terra-
cotta, 1 story, 378x30 feet, slag roof, steam
heating, electric lighting, cement floors. Own-
ers taking bids. J. R. Jackson, Perry Build-
ing; Smith-Hardican Co., 1606 Cherry street;
and Venderberry Bros, 5802 Pemberton street,

are figuring. Owners are also taking sub-
bids.

Arsenal Buildings, Frankford, Philadelphia.
Architect, private plans. Owners, U. S. Gov-
ernment, Lieutenant Geo. Montgomery, Frank-
ford Arsenal. Consists of one 2-story and
basement and attic extension of fuse building,
204x102 feet, concrete and brick; one 1-story
metal warehouse building, brick, 192x43 feet,
and one 1-story and basement extension of
artillery ammunition storehouse, brick and
concrete, 118x48 feet, slate roofs, steel sash,
kalamein doors, ventilators, composition, con-
crete and wood floors, fire escapes, tile work,
concrete work. Owners taking bids, due
August 31st at 2 P. M. The following are
figuring: H. E. Baton, Twelfth and Sansom
streets; Chas. McCaul Co., 1619 Sansom street;
Warren Moore & Co., Commercial Trust Build-
ing; P. J. Hurley, 1233 Cherry street; F. W.
Van Loon, 1023 Cherry street; John L. Con-
nor, 1345 Arch street; Wm. R. Dougherty, 1610
Sansom street; Thomas Reilly, 1616 Thomp-
son street, and Ketcham & McQuade, 1029
Brown street.

Warehouse (alts.), Third and Pine streets,
Philadelphia, \$10,000. Architect, R. E. White,
Pennsylvania Building, Philadelphia. Own-
ers, Monarch Machinery Co., 249 North Third
street, Philadelphia. Consists of new floors,
freight elevator and general alterations.
Plans in progress.

Residence, Lansdowne, Pa. Architect, Ed-
win G. Brumbaugh, Real Estate Trust Build-
ing, Philadelphia. Owner, F. S. Underhill,
Lansdowne, Philadelphia. Frame and plaster,
2½ stories, 24x40 feet, shingle roof, hot water
heating, electric lighting, pine floors. Archi-
tect taking bids, due August 11th. The fol-
lowing are guring: W. D. Lukens, North
Wales; J. J. Murphy & Co., 1139 South Wil-
ton street, and E. J. Kreitzburg, 1345 Arch
street, Philadelphia; Quantin & Moorhouse,
Media, and the Lansdowne Const. Co. and J.
Howard Roberts, both of Lansdowne, Pa.

Residence, Chestnut Hill, Pa. Architect,
John Graham, Jr., Real Estate Trust Build-
ing, Philadelphia. Owner, Robert L. Wood,
Ambler, Pa. Frame, 2½ stories, 30x60 feet,
shingle roof (hot water heating, electric light-
ing and plumbing reserved). Architect tak-
ing bids, due July 12th. In addition to those

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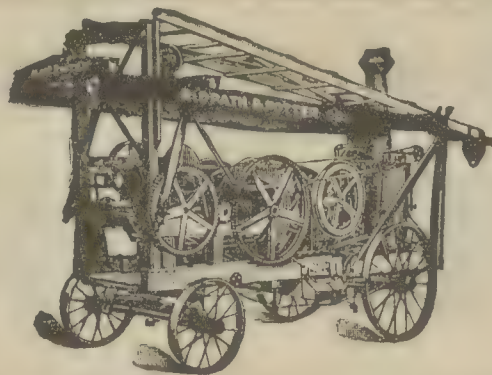
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previously reported, Elfret & Co., 1708 Sansom street, are figuring.

Residences. Broad street and Sixty-ninth avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, R. H. Foster, Fifteenth and Sixty-eighth avenue, Philadelphia. Brick and plaster, 3 stories, 25x37 feet, 3 red tile roofs, 2 green slate roofs, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Owner ready for bids in a few days.

Store Building, 851 North Broad street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owners, R. A. Heymann & Bro., Widener Building, Philadelphia. Brick and terra cotta, 4 stories, 20x160 feet, slag roof, steam heating, electric lighting, fire doors, elevators, metal lath. Plans completed. Architect ready for bids.

Stores (4) and Dance Hall, Broad and Montgomery avenue, Philadelphia. Architect, Mahlon H. Dickinson, 2330 Market street, Philadelphia. Owners, Kahn & Greenburg, Morris Building, Philadelphia. Brick, 3 stories, 105x192 feet, new fronts and interior alterations, electric lighting, hardwood floors. Plans in progress.

Warehouse (add.) Delaware avenue and Walnut street, \$500,000. Architect, private plans. Owners, Charles J. Webb & Co., 116 Chestnut street. Brick and reinforced concrete, 9 stories, 150x150 feet, composition roof, electric lighting, metal frames and sash, metal

lath, waterproofing and dampproofing, fire doors. Irwin & Leighton, 126 North Twelfth street, taking sub-bids on all lines.

Store Building (alt.), Sixth and South sts., \$15,000. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, M. Silverman & Son, Sixth and South streets. Brick and reinforced concrete, 4 stories, 20x90 feet, slag roof, hot air heating, electric lighting, metal lath. Plans about completed. Architects will take bids in a few days.

Warehouse (alts.), Third and Pine streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Monarch Machinery Co., 249 North Third street, Philadelphia. Consists of general remodeling present bank building to warehouse, new floors, doors, etc. Architect taking bids, due August 10th. Jacob Myers & Sons Co., Witherspoon Building, Philadelphia, are figuring, in addition to those previously reported.

Factory Buildings (3), Twenty-fifth and Hunting Park avenue, Philadelphia. Architects, Ballinger & Perrot, 1701 Arch street, Philadelphia. Owners, Edward G. Budd Manufacturing Co., Twenty-fifth and Hunting Park avenue. Brick, steel and reinforced concrete, 5 stories, 75x330 feet, 1 story, 125x310 feet; 1 story, 85x300 feet, concrete, slag and wood roof, steam heating, electric lighting, fire doors, metal lath, waterproofing. Plans completed. Architect will take bids in a few days.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage and Alt. to Stable, Pier 75, North Wharves. Architects, Durham Brothers, 1213-15 Filbert street, Philadelphia. Owners, Lehigh Coal & Navigation Co., Lafayette Building. Brick, 1 story, 112x22 feet, slag roof. Contract awarded to Fred A. Havens & Co., 845 North Nineteenth street.

Offices (alts.), 309 Walnut street, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Land Title & Trust Co., Land Title Building. Lessess, Hare & Chase, on premises. Consists of interior alterations (electric work separate bids). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Offices (alts.), 209 South Third street. Architects, Evans & Warner, Witherspoon Build-

ing, Philadelphia. Owners, Insurance Co. of North America, 232 Walnut street. Consists of interior alterations, metal lath, tile work, plumbing, painting, steam heating. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street.

Hotel (alt.), Eighth and Chestnut streets, Philadelphia. Architects, Honon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, Green's Hotel, Eighth and Chestnut sts., Philadelphia. Removing wall, putting in girders, minor alterations. Contract awarded to John McShain, 1610 North street, Philadelphia.

Church, Fifty-first and Spruce streets, Philadelphia, \$100,000. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadel-

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725-26 Commercial Trust Building, Philadelphia

phia. Owners, Chapel of the Mediator, care Geo. W. Jacobs, 1624 Chestnut street, Philadelphia. Stone, 2 stories, 60x160 feet, asbestos roof, steam heating, electric lighting, roof ventilators, waterproofing, oak floors. Contract awarded to F. E. Wallace, 1220 Chancellor street, Philadelphia.

Arsenal Buildings, Frankford, Philadelphia, \$145,343. Architect, private plans. Owners, U. S. Government, Lieutenant Geo. Montgomery, Frankford Arsenal, Philadelphia. Consists of 3 brick, concrete and hollow tile buildings and 2 tunnels; garage, 1 story, 115 x52 feet; storehouse, 2 stories, 126x54 feet; shop building, 3 stories, 115x49 feet, wing 34 x46 feet, tunnel 45x81 feet, tunnel 49x12 feet, slate and cement tile roof, waterproofing, steel sash, roof ventilators, kalamein doors, elevator, safety treads. Contract awarded to fourth and Woodland avenue. Architect, Thomas Reilly, 1616 Thompson street.

Telephone Exchange (alt. and add.), Fifty-John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch street, Philadelphia. Consists of interior alterations, marble and tile work, hollow metal doors, steel sash, fire doors, cement work, reinforced concrete, extension of second floor. Contract awarded to Horace H. Burrell, 206 South Quince street, Philadelphia.

Residence (alt. and add.), 4170 Leidy ave-

nue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Architect, Harry Pottash, 506 North American street, Philadelphia. Consists of general interior and exterior alterations, cabinet work, tile work, inlaid hardwood floors, hot water heating, slag roof, combination lighting. Contract awarded to M. Kane, 871 North Sixteenth street, Philadelphia.

Residence and Garage, Chestnut Hill, Pa., \$50,000. Architects, Francis S. McIlhenny, Commercial Trust Building, Philadelphia. Stone, 2½ stories, 20x65 feet, and 30x53 feet, tile roof, tile and marble work, hardwood floors (heating and electric work reserved). Contract awarded to R. C. Ballinger & Co., 213 North Thirteenth street.

Store (alts.), 1320 Walnut street, Philadelphia. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, The Rosenbach Co., on premises. Brick, 3 stories, slate roof, electric lighting, steel sash, metal lath, tile and marble work. Contract awarded to Freund-Siedenbach Co., Bulletin Building, Philadelphia.

Garage and Hall, Thirteenth and Jefferson streets, \$15,000. Architect, private plans. Owner, Thomas Foley, on premises. Brick, 2 stories, 50x50 feet, slag roof, steam heating, electric lighting, hardwood floors, metal lath. Contract awarded to Thomas Reilly, 1616 Thompson street.

PENNSYLVANIA

Construction News

Residence (alts.), Orelan, Pa. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, A. C. Harrison, Drexel Building, Philadelphia. Consists of new doorway, and interior alterations. Architect has received bids.

Residence and Garage, Overbrook, Pa. Architect, John I. Bright, 1701 Chestnut st., Philadelphia. Owners, Morris Estate, Overbrook, Pa. Hollow tile, 2½ stories, 30x71 feet, tile or slate roof, hot water heating, electric lighting, tile work, hardwood floors, garage, reinforced concrete in basement, cement floors. Plans completed. Architect will take bids in a few days.

Residence, Parker and Felton avenues, Collingsdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner,

Dr. Fred Hunlock, Collingsdale, Pa. Brick, 2½ stories, 51x36 feet, slate roof (heating and lighting reserved), cement work, tile work. Architect taking bids, due August 17th. The following are guring: Metzger & Fisher, Donckla Building; Specht & Sperry, Heed Building, and Rea Harvey, 1019 Apple-tree street, Philadelphia.

Bungalow, Willow Grove, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Mrs. Easterday, Willow Grove, Pa. Frame and shingle, 1½ stories, shingle roof, steam heating, gas lighting, artesian well. Owner is taking bids. Specht & Sperry, Heed Building; Geo. A. Boyd, 5012 Schuyler street, and Krewson Co., Hatboro, Pa., are guring.

Residence, Whitmarsh, Pa. Architect, L.

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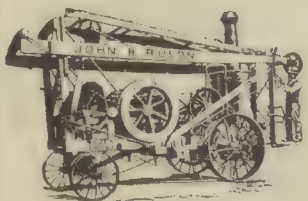
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H. Rush, 130 South Fifteenth street, Philadelphia. Owner, Mrs. John J. Henry, Cherokee and Moreland streets. Stone, 2½ stories, 50x130 feet, shingle roof, hot water heat, electric lighting, hardwood floors, tile work. Plans in progress.

Bungalow, Florida and Park avenues, Flor-

ida Park, Del. Co., Pa. Architect, Andrew C. Borner, 721 Walnut street, Philadelphia. Owner, Wm. A. Schuler, Florida Park, Pa. Frame, 1½ stories, slate roof, hot air heating, electric lighting. Plans in progress. Owners will take bids in about ten days.

Residence and Garage, Gwynedd, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building. Owner, name withheld. Stone, hollow tile and plaster, 2½ stories, 25x40 feet, wing, 160x20 feet, shingle roof, vapor heating, electric light, hardwood floors. Architect taking bids. W. D. Lukens, North Wales, Pa., is figuring (only bidder).

Boys' Home (alt. and add.), Reading, Pa., \$17,000. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owners, Boys' Home, Berks County Juvenile Court, Frank D. Miller, superintendent, Reading, Pa. Brick, 3 stories, 50x30 feet, slag roof, steam heating, electric lighting, hardwood floors, damp-proofing. Plans in progress.

Club House, Reading, Pa., \$17,000. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owners, Washington Firemen's Relief Association, Reading, Pa. Brick, 2 stories, 110x40 feet, slag roof, steam heating, electric lighting, hardwood floors, waterproofing. Architect taking bids, due August 15th. (Note extension.) In addition to those previously reported, Charles Schlegel, Peter Anderson, Irvin Koch, Harry Heckman, M. F. Savage, C. D. Wenzle, J. B. Trexler and Erb & Arnold, all of Reading, Pa.; Adam Spatz, Stanley Keever, both of Wernersville, Pa., are figuring.

Bungalow, St. Lawrence, Pa., \$5,000. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, Samuel Phillips, Reading, Pa. Frame and stucco, 1½ stories, 32x32 feet, shingle roof, electric lighting, hardwood

floors (heating reserved. Architect taking revised bids.

Warehouse, Court street, east of Poplar street, Reading, \$8,000. Architect, Earl Hickman, Reading, Pa. Owners, Bard Hardware Co., Reading, Pa. Brick, 3 stories, 61x16 feet tin or slag roof, metal sash, electric lighting, concrete and wood floors. Plans in progress.

School, Birdsboro, Pa., \$18,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, D. Hunter Watts, secretary. Brick and hollow tile, 1½ stories, 91x60 feet, composition roof, hot air heating, maple floors, metal lath, fire doors, slate blackboards, damp-proofing. Plans completed. Architect ready for bids.

Residence, Pottsville, Pa., \$15,000. Architect, H. J. Maurer, Reading, Pa. Owner, Thomas Pepper, Pottsville, Pa. Brick and stone trim, 2½ stories, 52x52 feet, slate roof, hot water heating, combination lighting, tile and hardwood floors. Plans about completed. Ready for bids in a week.

School, Muehlenburg Township, Pa. Architect, Edw. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, School District of Muehlenburg Township. Preliminary plans in progress. Too early for details.

Residence, Ashland, Pa., \$10,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, John W. Pepper, Ashland, Pa. Brick, 3 stories, 32x37 feet, tin roof, hot water heating, electric lighting, tile and hardwood floors. Plans in progress. Will take bids in a few days.

School (add.), Birdsboro, Pa., \$7,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, D. Hunter Watts, secretary. Brick, 2 stories, 26x32 feet, slate roof, hot air heating, maple floors, metal lath, fire doors, damp-proofing, slate blackboards. Architect taking bids. J. W. Shepp, Birdsboro, Pa. is figuring.

PENNSYLVANIA

Contracts Awarded

Factory, Mohrsville, Pa., \$17,300. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owners, James H. Wagner & Co., Mohrsville, Pa. Brick and reinforced concrete, 1½ stories, 62x157 feet, concrete and slag roof, steam heating, electric lighting, reinforced concrete and maple floors, metal lath, sprinkler system. Contract awarded to Chas. Schlegel, Reading, Pa.

High School, Kutztown, Pa., \$40,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Board of Education, C. C. Bordner, secretary, Kutztown, Pa. Brick and stone, 3 stories, 85x100 feet, slag roof, hot air heating, electric lighting, reinforced concrete and wood floors, waterproofing. Contract awarded to William H. Wiant, Pottstown, Pa.

Bridges (5), Bethlehem Branch, P. & R. RR. Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal. Steel and concrete bridges, in various locations along the Bethlehem Branch. Contract awarded to Peoples Bros. Co., Twenty-fifth and Callowhill streets.

Bridges (2), Tacony Creek and Sunnysrun Creek, Pa. Engineer, S. T. Wagner, Reading Terminal. Owners, Phila. & Reading Railway, Reading Terminal. Concrete and steel. Contract awarded to J. E. Brenneman Co., Lancaster, Pa.

Bridges 2), Quakertown and Shelly, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Philadelphia. Steel and concrete. Contract awarded to A. L. Carhart, Hale Building, Philadelphia.

Freight Warehouses (2), Harrisburg, Pa., \$350,000. Engineer, A. C. Shand, Broad St. Station, Philadelphia. Architect, Wm. H. Cookman, Broad St. Station, Philadelphia. Owners, Penna. Railroad Co., Broad St. Station, Philadelphia. Brick and reinforced concrete, 4 stories, 50x250 feet, and 1 story, 20x50 feet, slag roof, metal lath, waterproofing, steam heating, electric lighting, re doors, sprinkler system, steel sash, (5) elevators. Contract awarded to Warren, Moore & Co., Commercial Trust Building.

Stable and Farmers Cottage, Media, Pa. Architects, McIlvain & Roberts, Land Title Building. Owner, Alexander Sellers, Media, Pa. Stable, stone, 1 story, 36x33 feet; cottage 2 stories, 36x18 feet, shingle roof, vapor heating, ventilator. Contract awarded to J. W. Worrlow, Media, Pa.

Residence (alt. and add.), Wynnewood road, Overbrook, \$2,000. Architect, R. E. White, Pennsylvania Building, Philadelphia. Owner, Mrs. Edmund C. Hoyt, Wynnewood road, Overbrook, Pa. Frame and stucco, 2½ stories. Contract awarded to Wm. H. Eddleman

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& Sons, 453 Green lane, Roxborough, Philadelphia.

Residence, Oakmont, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Melvin Detwiler, care architect. Brick and plaster, 2½ stories, 24x40 feet, slate roof, hot water heating, electric lighting. Contract awarded to S. E. Waters, Lanerch, Pa.**Residence (alts.)**, Laverock, Pa. Architects, Marmaduke Tilden, 1713 Sansom street, and Bissell & Sinkler, Bailey Building, Philadelphia. Owner, Arthur E. Newbold, Laverock, Pa. Consists of new stone and frame porches, slag roof. Contract awarded to Henry L. Brown, 1714 Sansom street.**Garage**, Wynnewood, Pa. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Thomas Beaver Browne, Wynnewood, Pa. Hollow tile and plaster, 1½ stories, 24x25 feet, slate roof (heating reserved). Contract awarded to Charles C. Pace, Merion, Pa.**Residence**, Meadowbrook, Pa. Architects, Tilden & Register, 1713 Sansom street, Philadelphia. Owner, Edward H. Fitch, 519 North Broad street, Philadelphia. Stone and plaster, 2½ stories, 64x35 feet, and wing 40x26 feet, shingle roof, oak floors, metal lath, tile and marble work (heating and electric work separate bids). Contract awarded to James B. Flounders, 1319 Arch street.

NEW JERSEY

Construction News

Church, Collingswood, N. J. Architect, Charlss W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Colingswood Presbyterian Church, Collingswood, N. J. Stone and brick, concrete and artificial stone, 1 story, 67x77 feet, slate and slag roof, wire and wood lath, cement floors. Architects have received bids.**Vulcanizing Building**, Lambertville, N. J. Architects, Ballinger & Perrot, 1700 Arch st., Philadelphia. Owners, Lambertville Rubber Co., Lambertville, Pa. Brick and reinforced concrete, 2 stories, slag roof (electric lighting, heating separate bids). Architects taking bids, due August 9th. The following are figuring: Frederick Parker and Newton A. R. Bugbee, both of Trenton, and Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, H. E. Baton, Twelfth and Sansom streets; F. B. Davis, 240 North Sixteenth street; and Pomeroy Construction Co., 1609 Ranstead st., all of Philadelphia.**Residence**, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, M. E. Douglass, Woodbury, N. J. Stone and frame, 2½ stories, 32x73 feet, shingle roof, hot air heating system, electric lighting. Plans about completed. Architect will be ready for bids in a few days.**Residence (alt. and add.)**, Beverly, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, S. L. Levin, Beverly,

N. J. Consists of general interior and exterior alterations and 2-room addition. Plans about completed. Architect will be ready for bids in about ten days.

Store Building (alts.), Lakewood, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, name withheld. Consists of general alterations. Architect ready for bids.**Garage**, Riverton, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Charles Biddle, Riverton, N. J. Frame, 1 story, 20x22 feet, shingle roof. Plans complete. Owner is ready for bids.**Schools (3) (Completion)**, Barrington, Lawndale and Highland Park. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Center Township School Board, care E. A. Graeff, Magnolia, N. J. Brick, 2 stories, consists of completion of interiors. Lowest bidder, Chas. T. Owens, Blackwood, N. J., \$27,800.**Residence**, Atlantic City, N. J. Architect, J. P. Klings, 1012 Walnut street, Philadelphia. Owner, Wm. Riddle, Atlantic City, N. J. Hollow tile and plaster, 2½ stories, 40x47 feet, tile roof (plumbing and heating reserved). Revised plans in progress.**Sewage Disposal Plant**, Burlington, N. J. Architects, Day & Zimmerman, 611 Chestnut street. Owners, U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J. Reinforced concrete and stone, slag roof, steam heating,**GRAHAM-CAMPION CO.**
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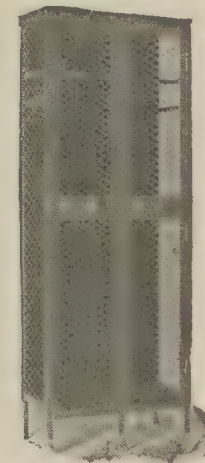


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Fireproof Vault and Toilet Buildings, Burlington, N. J. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J. Stone, brick and steel, 3 stories and basement, tile roof, covered with slate, electric

lighting, reinforced concrete floors, waterproofing. Engineers have received bids.

Bungalow, Alpha, N. J., \$4,000. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, Henry Zeller, Easton, Pa. Hollow tile and stucco, 1½ stories, 57x34 feet, slate roof, vapor heating, electric lighting, hardwood floors. Plans in progress.

steel, 6 stories, 105x40 feet, slag roof, steam heating, electric lighting, maple floors, 10 fire doors, sprinkler system, elevators, iron stairs. Plans in progress.

Residence, Great Neck, L. I., \$100,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Henry Phipps, 787 Fifth avenue, New York City. Brick, plaster, marble trimmings, fireproof, 2½ stories, 232x56 feet, slag roof, copper and tile roof, steam heating, concrete floors, metal lath, marble and tile work (electric work and cabinet work reserved). Architect taking revised bids, due August 14th. The following are figuring: Milton W. Young, Overbrook, Pa.; Geo. F. Payne, 401 South Juniper street; Jacobs & Youngs, 120 W. Thirty-second street, New York city; J. H. L'Hommedieu's Sons & Co., 132 Madison avenue; John T. Brady, 103 Park avenue, New York city; Geo. A. Fuller, 949 Broadway, New York City.

Residence, Palm Beach, Florida, \$8,000. Architect, R. E. White, Pennsylvania Building, Philadelphia. Owner, Barklie Henry, Palm Beach, Fla. Frame, 2½ stories, 36x32 feet, shingle roof, electric lighting. Contract awarded to W. E. Poland, West Palm Beach, Fla.

Bakery, Fourth and Union streets, Wilmington, Del., \$12,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Delmarvia Baking Co., Wilmington, Del. Brick, steel and terra cotta, 2 stories, 30x80 feet, slag roof, steam heating, combination lighting, dampproofing, elevator, steel stairs. Contract awarded to Pyle & Stannard, Wilmington, Del.

NEW JERSEY

Contracts Awarded

Residence, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, Chas. J. Allen, Moorestown, N. J. Hollow tile and plaster, 2½ stories, 60x100 feet, tile roof, hardwood floors, tile work, electric lighting (heating and plumbing reserved). Contract awarded to J. S. Rogers Co., Scranton, N. J.

School (add.), Vineland, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Vineland, N. J. Brick, 2 stories, slag roof, steam heating, electric lighting, slate blackboards. Contract awarded to Fred Williams, Vineland, N. J.

Miscellaneous Construction News

Store (alt. and add.), Ninth and King sts., Wilmington, \$20,000. Architect, E. Canby May, Wilmington, Del. Owners, Miller Bros., Wilmington, Del. Brick, 4½ stories, 110x67 feet, slag roof, steam heating, electric lighting, waterproofing. Plans in progress.

Department House, Wilmington, Del. Architect, Edward Canby May, Du Pont Building, Wilmington, Del. Owner's name withheld. Brick and steel, 4 stories, 85x140 feet, slag roof, steam heating, electric lighting, waterproofing, elevator. Plans in progress.

Apartment (alt.), 811 Market street, Wilmington, Del. Architect, Charles H. Tindall, Wilmington, Del. Owner, Frank Dure, Wilmington, Del. Consists of interior alterations. Plans in progress.

Residence (alt. and add.), Wilmington, Del. Architect, Charles H. Tindall, 914 Orange street, Wilmington, Del. Owner, Le Roy Hickman, Wilmington, Del. Frame, stucco and brick, 3 stories, 30x60 feet, shingle roof, vapor or hot water heating, combination lighting, tile and hardwood floors, waterproofing. Plans completed. Ready for bids.

Residences and Garages (2), Sixth and Rodney streets, Wilmington, \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del.

ton, Del. Owner, Matthew Carrozzo, Wilmington, Del. Brick, 2½ stories, 16x50 feet, slate and tin roof, hot water heating, combination lighting, hardwood and tile floors, waterproofing and dampproofing. Owner will sub-let all contracts.

Factory (alt. and add.), Second and Greenhill avenue, Wilmington, \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Wilmington, Del. Brick, 2 stories, 150x50 feet, slag roof, steam heating, electric lighting, spruce and maple flooring, metal sash, dampproofing, 5 fire doors. Architect has received bids.

Factory, Wilmington, Del. Architects, Brown & Whiteside, Du Pont Building, Wilmington, Del. Owners, Electric Hose and Rubber Co., Wilmington, Del. Brick, 1 story, 30x210 feet, composition roof, electric lighting, metal sash, elevator, waterproofing, fire doors, extension of sprinkler system. Architects taking bids. W. D. Haddock & Co., and John E. Healy & Son, Wilmington, are figuring.

Factory and Office, Wilmington, Del., \$65,000. Architect, John J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Wilmington, Del. Brick and

Maryland

Construction News

Apartment House, 837 Hamilton Terrace, Baltimore, \$25,000. Architect, private plans. Owner, George R. Morris, 523 Title Building, Baltimore. Brick, 3 stories, 20x125 feet. Plans in progress.

Market and Comfort Station, Baltimore, Md., \$25,000. Architect, Fred Thomas, Gunther Building, Baltimore. Owners, City of Baltimore, City Hall. Consists of alterations to Richmond Station, new stalls, hollow tile walls, electric lighting, plumbing, heating and refrigerating plant, marble work, tile work. Owners will advertise for bids in about two weeks.

Store (alts.), 311 North Charles street, Baltimore, Md., \$7,500. Architect, Sparklin & Childs, Law Building, Baltimore. Owners,

We have pebbles all sizes. Cost less than what you are using. **DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.**

Auman & Werkmeister, 16 West Lexington street, Baltimore. Consists of new stone front, electric work, tile work, plumbing, etc. Plans completed. Architects ready for bids.

College Building, Guilford, Md., \$750,000. Architects, Maginnis & Walsh, Boston, Mass. Owners, Loyola College, Rev. William J. Ennis, president, Calvert and Monument streets, Baltimore. Stone, tile and slate roof, steam heating, electric work. Plans in progress. Architects will be ready for bids in about three weeks.

Chapel, Grovemont, Md., \$15,000. Architects, Mottu & White, 324 North Charles st., Baltimore. Owner, Donaldson School, Grovemont, Md. Brick, slate roof, steam heating, electric work, plumbing. Plans in progress.

Dwelling, Greenway, Guilford, Md., \$20,000. Architect, L. H. Fowler, 347 North Charles street, Baltimore. Owner, Everett Gibbs, 717 South Wolfe street, Baltimore. Brick, 2½ stories, slate roof or tile roof, hot water or vapor heating, electric lighting. Plans in progress.

Residences (55), Curtis Bay, Md. Architect, private plans. Owners, Lehmuller Building Co., 1735 Broadway. Brick, 2 stories, slag roofs, electric lighting. Plans in progress.

Hotel, northeast corner of Light and German streets, Baltimore, \$750,000. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Southern Hotel Co., M. H. Carter, president, Calvert Building, Baltimore. Brick, terra cotta and granite, 14 stories, 93x148 feet, tile roof, steam heating, passenger elevators, terrazzo, marble and tile

work, concrete work, shower baths, vacuum cleaning system. Architect ready for bids.

School and Convent, northeast corner of Maryland avenue and Twenty-seventh street, Baltimore, \$40,000. Architect, Hugh I. Kavanagh, 226 East Eager street, Baltimore. Owners, SS. Philip and James R. C. Church, Rev. John E. Wade, Charles street, near Twenty-seventh street, Baltimore. Brick, 3 stories, 106x36 feet and 90x32 feet, slag roof, steam heating, electric lighting, plumbing, fireproof stairs and corridors, tile floors, vacuum cleaning. Architect ready for bids.

Garage (add.), 1005-21 North Eutaw street, Baltimore. Architect, Frederick Thomas, Gunther Building, Baltimore. Owners, Standard Motor Co., care of Frank S. Eliven, president, on premises. New story, addition, 100x150 feet, brick, concrete floor, tile and tin roof, skylights, ventilators, fire doors, steel sash, hollow terra cotta walls, fire escape (passenger elevator, steam heating, electric work, plumbing and sprinkler system reserved). Contract awarded to M. C. Davis, 623 North Calvert street, Baltimore.

Station, Edmondson avenue, Baltimore, Md. Architect, Wm. H. Cookman, Broad St. Station, Philadelphia. Engineer, A. C. Shand, Broad St. Station, Philadelphia. Owners, Penna. Railroad Co., Broad St. Station, Philadelphia. Brick and stone, 1 story, steam heating, electric lighting, metal lath, tile work. Owners taking bids, due August 14th. The following are figuring: Consolidated Eng. Co., Singer-Pentz Co., J. Henry Miller, Inc., B. F. Bennett Building Co., R. B. Mason, and the Pier Const. Co., all of Baltimore, Md.

56 feet, slag roof.

Garage, Twenty-fth and Callowhill streets. Cost, \$800. Baltimore & Ohio R. R. Co. (O), Twenty-fourth and Chestnut streets. W. W. Harrison Taylor (C), 2016 Brown streets. Brick, 1 story, 16x30 feet, cement floor.

Residences (2), Arrott street, east of Large street. Cost, \$8,000. Rush Bros. (O and C), 1100 Fillmore street. Brick, 3 stories, 16x24 feet, slag and slate roof, hot water heat.

Residences (16), Beechwood street, north of Chelton avenue. Cost, \$32,000. W. O. Mahon (O and C), 6718 Broad street. Brick, 2 stories, 14x38 feet, slag roof, hot water heat.

Garage, 913 Princeton avenue. Cost, \$300. S. Walter Cook (O and C), 5718 North Fourth street. Brick, 1 story, 12x18 feet, slate roof.

Warehouse, northwest corner Wharton and Taylor streets. Cost, \$50,000. American Radiator Co. (O), Chicago, Ill. H. E. Grau Co. (C), 1707 Sansom street. Brick, concrete and steel, 2 stories, 80x200 feet, slag roof.

Residences (3), Grays avenue, west of Seventy-first street. Cost, \$2,800. J. M. Jones (O), 2118 South Seventy-first street. S. J. Jones (C), 2118 South Seventy-first street. Brick, 2 stories, 16x40 feet, slag roof, hot air heat.

Garage, 457 E. Allen street. Cost, \$1,500. M. H. Meehan (O), 143 Richmond street. Chas. J. Spencer (C), 722 Beach street. Brick, 1 story, 30x67 feet, slag roof.

Garage, 4337 Dexter street. Cost, \$360. Alice Loughran (O), on premises. M. Moister & Co. (C), 3931 North Fifth street. Portable steel, 20x20 feet.

Automobil Purposes, south side Fairmount avenue. Cost, \$19,000. Edw. Harns (O and C), Twenty-second and Market street. 2 stories, brick, slag roof, steam heat, 72x106 feet.

Garage and Living Room, rear 3405 Powelton avenue. Cost, \$6,500. Theo. Lewis (O). P. C. Ballinger (C), 218 North Thirteenth st. Brick, slate roof, 38x28 feet, 2 stories.

Warehouse and Garage, 249, 251, 253 Juniper street. Cost, \$11,000. 2 stories, 46x11½ feet, brick, steam heat, slag roof. Morris Estate (O), Girard Trust Co. Lansdowne Construction Co. (C), 7 South Lansdowne avenue.

Alterations and Additions

Church, 1607 Wilt street. Cost, \$1,575. Rev. G. Kraus, Rector (O), on premises. A. Siemienski (C), 1634 Ruffner street. Brick, 1-story addition, 7x47 feet, tin roof, roof ventilators, concrete floor.

Saloon and Dwelling, 4254 Richmond street. Cost, \$400. Louise Feil (O), Sixth and Susquehanna avenue. S. Fred Herberg (C), 1236 Olive street. General alterations, new bulks, cement floor.

Store and Dwelling, 6118 Lansdowne avenue. Cost, \$1,100. C. W. McClung (O) (6218 Lansdowne avenue. T. Esbioruson (C), 1700 North Sixtieth street. Brick, 2 stories, 15x18 feet, new bulk, slag roof.

Store and Dwelling, 6120 Lansdowne avenue. Cost, \$1,100. Emily Kengine (O), on premises. T. Esbioruson (C), 1700 North Sixtieth street. Brick, 2 stories, 15x18 feet, new bulk, slag roof.

Baggage Room, Twelfth and Market sts. Cost, \$300. P. & R. Rwy Co. (O and C), on premises. Brick alteration.

Store Building, Broad and Wallace streets. Cost, \$998. Snellenburg Clothing Co. (O), on premises. Geo. B. Clopp (C), 3719 Filbert st. Foot bridge, wood and steel, 7x32 feet.

Dwelling, 705 Vine street. Cost, \$1,750.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Dwellings (7), Westmoreland, 70 feet east of Emerald street. Cost, \$9,800. Brick, 2 stories, 15x30 feet, slag roof, hot air. David McKibb (O and C), 2900 Frankford avenue.

Residences (70), Smedley and Rockland streets. Cost, \$285,000. S. H. Bailey Mereer (O and C), 1815 North Sixteenth street. Brick, 2 stories, 15x21 feet, 26 feet, 34 feet, 39 feet, slag roof, hot water heat.

Residence and Garage, southeast corner York and Belfield avenues. Cost, \$5,000. Brick, 2 stories, 39x18 feet, slag roof, hot water heat. Litman & Milgram (O and C), 2030 South Fifth street.

Garage, Wissahickon avenue, west of Upsal street. Cost, \$800. John Seeds (O), 716 W. Upsal street. Chas. Johnson (C), 6701 Boyer street. Stone, 1 story, 23x23 feet, slate roof.

Factory Building, 1111 Westmoreland street. Cost, \$1,600. Mrs. Edw. Gerlach (O), Broad and Germantown avenue. Wm. F. Kelly (C), 1802 North Gratz street. Brick, 1 story, 30x50 feet.

Dwelling, east side Oxford avenue, 160 feet north of Taney street. Cost, \$3,800. 3 stories, brick, 31x31 feet, slate roof, hot air. Olio Brahm (O), Fox Chase. Jas. Ashley (C), Fox Chase.

Store, west side of Eleventh street and Girard avenue. Brick and terra cotta and reinforced concrete, 8 stories, 100x100 feet, tile roof. N. Snellenburg (O), Twelfth and Market streets. Wm. Steele & Son (C), 1600 Arch street.

Residences (26), Webster street and Cobb's Creek Boulevard. Brick, 2 stories, 15x34

feet, 16x46 feet, slag roof, hot water heat. Herbert R. Downsbraugh (O and C), 6228 Webster street.

Garage, Monument avenue, south of Wynnefield avenue. Cost, \$1,000. F. P. Matz (O), North Wynnefield, Philadelphia. J. Paul Emery (C), 4907 Wynneeld avenue. Stone, 1½ stories, 18x22 feet, slate roof.

Dwellings (27) and Stores (2), Elkhart and Gaul streets. Cost, \$67,300. John Tucker (O and C), 312 Christian street. Brick, 2 stories, 15x26 feet, 16x40 feet, slag roof, hot air heat.

Office and Shop, 2012 North Sixtieth street. Cost, \$4,500. Overbrook Steam Heat Co. (O), on premises. Millan M. Young (C), Overbrook, Pa. Brick, 2 stories, 30x25 feet, slate roof, steam heat.

Boiler House, Schuylkill canal, south of Rector street. Imeprial Woolen Co. (O), on premises. Friend Scargill (C), W. Manayunk. Brick, 1 story, 24x60 feet, slag roof.

Garage, 3115 Queen lane. Cost, \$700. H. M. Hessenbruck (O), on premises. Fred Elvidge & Son (C), 5522 Germantown avenue. Hollow tile and plaster, 1 story, 12x20 feet, slag roof, cement floor.

Farm Building, Wheatsheaf lane, west of Thompson street. Cost, \$1,500. F. B. Shenkel (O), Wheatsheaf lane and Cedar street. Cunningham & Bartholomew (C), 4326 Paul street. Frame, 2 stories, 24x50 feet, slag roof.

Office Building, Susquehanna avenue, west of Twenty-eighth street. Cost, \$4,500. Wm. T. Dulin (O), 1927 Montgomery avenue. S. B. MacDowell & Son (C), 1927 Montgomery avenue. Brick and terra cotta, 2 stories, 19x

Our specialty is Portland Cement that will stick and pass the City Department. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

Mary Cohen (O), on premises. M. S. Yelland (C), 1712 North Franklin street. Brick and general alterations.

Office, 721-23 Passyunk avenue. Cost, \$1,200. Abe Kolsky (O), on premises. Mike Cylinder (C), 521 Mifflin street. Brick, 2 stories, 15x19 feet, slag roof, bulk window.

Residence, 262 High street. Cost, \$1,000. E. A. Shuram (O), on premises. W. J. Gruhler Co. (C), 219 High street. Interior alterations.

Dwelling, 629 League street. Cost, \$900. Mrs. S. Long (O), on premises. Dominic Tero (C), 515 Christian street. Brick, 1 story, 16x26 feet slag roof.

Factory, Columbia avenue and Fifth street. Cost, \$500. Jos. C. Haney (O), Newtown, Pa. S. Brogan (C), Camden, N. J. New toilet.

Iron Foundry, Richmond, above Norris st. Cost, \$2,000. Wm. Cramp & Sons S. & E. B. Co. (O), Beach and Ball streets. Hoffman Eng. & Const. Co. (C), Pennsylvania Building. Brick, 1 story, 220x40 feet.

Store and Dwelling, 2556 E. Memphis st. Cost, \$600. Jos. Colb (C), on premises. Samuel Sacks (C), 807 Lickinson street. Fire repairs, new bulk.

Garage, southeast corner Tenth and Bainbridge streets. Cost, \$1,400. Raffaele D'Abruzzo (O), on premises. Frank Lucci (C), 1351 Christian street. Brick, 1-story addition, 8x17 feet, cement floor.

Factory, 308 Walnut street. \$3,400. Insurance Co. State of Penna. (O), on premises. F. L. Hoover & Sons, Inc. (C), 1023 Cherry street. Brick and glazed tile, 3 stories, 70 feet long.

Storage Building, 508 South street. Cost, \$8,500. David Feldman (O and C), 410 McKean street. Brick, 3-story addition, 40x60 feet.

Factory, 3207 Spring Garden street. Cost, \$700. Samuel Jones & Son (O), 2230 Hamilton street. R. M. Hewes (C), 710 Ranstead street. Brick elevator shaft, 3 stories, 7x8 feet.

Store and Dwelling, 1831 South street. Cost, \$630. Mrs. Dyerr (O), 1833 South street. Thos. B. Monaghan (C), 2009 Sansom street. New brick front, 2 stories, interior alterations.

Residence, 1621 N. Sixteenth street. Cost, \$300. Mr. Jones (O), on premises. Diamond Building Co. (C), 1811 Columbia avenue. Brick, 1 story, 12x19 feet.

Factory, 2300 E. Tioga street. Cost, \$1,000. S. A. Ashman & Son (O), on premises. Wm. J. Gruhler Co. (C), 219 High street. Corrugated iron, 9x31 feet, slag roof, cement floor.

Dwelling, southwest corner Seventeenth and Market streets. Cost, \$500. Lewis McGoldrich (O), on premises. A. F. Knipe (C), 1002 Bailey Building. Interior alterations.

Store and Dwelling, northeast corner Thirty-seventh and Woodland avenue. Cost, \$440. D. Davis & Co. (O), 3661 Woodland avenue. Frank Kaiser (C), 1522 South Sixth street. Brick fronts and interior alterations.

Dwelling, 4832 Paschall avenue. Cost, \$300. Dommick Gallucci (O and C), 4832 Paschall avenue. Brick, 2 stories, 14x11 feet, slag roof.

Bathroom, 5932 Overbrook avenue. Cost, \$1,000. C. H. Harding (O), 5940 Overbrook avenue. Wm. W. Young (C), Overbrook. Brick and slag roof.

Dwelling, southwest corner School Lane and Wissahickon avenue. Cost, \$400. Mrs. Wm. G. Marden (O), School lane. Frank H. Dinker (C), 416 W. Coultens street. Brick, interior alterations.

Dwelling, Queen lane, northwest side one square west of Wissahickon avenue. Mhs. Wm. L. McLean, Queen lane. Frank H.

Rieker (C), 416 W. Coulter street. Brick, interior alterations.

Store and Dwelling, 6021 Germantown avenue. Cost, \$520. Maria Mazzeo (O). Geo. Erarerr (C), 2952 North Twenty-second st. Minor alterations.

Residence, 1621 North Sixteenth street. Cost, \$700. W. R. Jones (O), 1621 North Sixteenth street. Fred H. Powell (C), 1811 Columbia avenue. Hot water heating.

Dwelling, 3405 Powelton avenue. Cost, \$5,500. Theo. Lewis (O), on premises. A. C. Ballinger (C), 218 North Thirteenth street. Brick, 1 story, 12x16 feet.

Store and Dwelling, 2901 Aramingo avenue. Max Rosencrantz (O), on premises. Julius Ostraff (C), 364 Snyder avenue. 1 story, 16x40 feet, tin roof, brick.

Church, southwest corner Fifty-second and Columbia avenue. Cost, \$3,600. Congregation Shaarei Zedek (O), 5114 Parkside avenue. Sam Kausar (C), 1952 North Stanley street. Brick, 1 story rear, 19x12 feet, 2 stories, 7x31 feet, interior alterations.

Garage, east side of Fifth street, 200 feet south of Erie avenue. Cost, \$1,000. 1 story, brick, slag roof. Sarah A. Mallon (O), 3625 North Fifth street. Joseph Mallon (C), 3625 North Fifth street.

Store and Dwelling, east side Oxford avenue, 150 feet south of Rhawn. Cost, \$3,500. 5x24 feet, brick, 1 story. A. Hatton (O), Fox Chase. Jos. Ashly (C), Fox Chase.

Dwelling, east side Oxford avenue, south of Rhawn street. Cost, \$2,200. 2 stories, 16x20 feet, brick. J. J. Finnegan (O), Fox Chase. Jas. Ashly (C), Fox Chase.

Residence and Office, 1718 Girard avenue. Cost, \$3,800. 1 story rear, 18x15 feet, vapor heating, brick, cement floors. J. Arthur Brasure (O), 2000 Girard avenue. Archibald Macintosh (C), 1515 Pine street.

Store and Office, 4543 Wayne avenue. Wayne Junction Cornice Co. (O), 4543 Wayne avenue. Huey E. Baton (C), southwest corner Twelfth and Sansom street. General alterations.

Factory Building, rear 422 Fairmount avenue. Cost, \$1,860. Henry Wampole (O), 426 Fairmount avenue. H. P. Heanecke, Inc. (C), Drexel Building. Radical brick chimney, 100 feet high.

Residence, 640 North Thirty-second street. Dr. W. P. Wilson (O), on premises. West End Heating & Eng. Co. (C), 4841 Lancaster avenue. Hot water heating system.

Store, 1209 Market street. Cost, \$2,000. S. L. Black (O), Broad and Wallace streets. Smith Hardican Co. (C), 1606 Cherry street. Brick elevator shaft, 4 stories.

Saloon and Dwelling, southwest corner Jasper and Allegheny avenue. Cost, \$3,475. P. J. Malone (O), 103 North Third street. Conneen Const. Co. (C), 1829 Filbert street. Exterior and interior alterations.

Manufacturing Building southwest corner Twelfth and Carpenter streets. Cost, \$650. John William Manufacturing Co. (O), on premises. Thos. M. Welsh (C), 758 S. Broad street. Steel and concrete tank supports.

Store and Dwelling, 1231 South Twenty-eighth street. Cost, \$1,500. J. Rappaport (O), 610 Spruce street. Jacob Bender (C), 1817 South Fourth street. Fire escapes and new bulks.

Dwelling, 1228 W. Thompson street. Cost, \$500. Chas. Chestack (O), on premises. Heist & Doherty (C), 1216 North Eleventh street. Brick, 2 stories, 9x12 feet, slag roof.

Manufacturing Building, Allegheny avenue, east of Nineteenth street. Cost, \$800. Electric Star Battery Co. (O), on premises. Wm. Steele & Son Co. (C), 1600 Arch street. Brick alterations.

Dwelling, 414 South Carlisle street. Cost,

\$1,200. Mrs. Edward Gilchrist (O), on premises. Thos. E. Trafford (C), 1613 Sansom st. General alterations, plumbing.

Residence, 620 South Front street. Cost, \$800. Chas. Frasch (O), 605 South Front st. Francis E. Shad (C), 622 Passyunk avenue. Brick, 1 story, 12x12 feet and repairs.

Dwelling and Office, northwest corner of Ridge and Conarroe street. Cost, \$1,000. Benj. Calavary (O), 6100 Ridge avenue. E. M. Swartley (C), 6835 Ridge avenue. Brick, 1 story, 10x42 feet.

Store, 6102 Ridge avenue. Cost, \$1,200. Ben. Calavary (O), 6100 Ridge avenue. C. M. Swartley (C), 6835 Ridge avenue. 14x42 feet, brick, 1 story, metal lath.

Store and dwelling, 3138 York street. Cost, \$375. Samuel Lundy (O), 1824 Natrona st. M. Bakst (C), 1540 North Sixth street. New bulks.

Heating Plant, 2012 North Sixtieth street. Cost, \$385. Overbrook Steam Heat Co. (O), on premises. Milton W. Young (C), Overbrook, Pa. Brick, 1-story rear addition, 13x17 feet, slag roof.

Residence, 1402 North Thirteenth street. Cost, \$3,000. Jas. Feldman, agent (O), 209 Lincoln Building. B. Weinberg (C), 554 N. Lawrence street. Brick alterations.

Garage, southwest corner Reed and Darien streets. Cost, \$2,000. Samuel Wilansky (O), Ninth and Reed streets. L. M. Shestak (C), 322 Dickinson street. General alterations, cement floors.

Dwelling, 1027 Fairmount avenue. Cost, \$360. John E. Deverin (O), 1405 N. Seventeenth street. M. Zussman (C), 991 North Marshall street. Interior alterations.

Proposals

Bonds. Improvements. Equipment.

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SEALED PROPOSALS.

Bids for the furnishing of materials and construction of new High School Building, Ridley Park, Pa., will be received by the Ridley Park School District at Ridley Park School, Ridley Park, Pa., Tuesday, August 15th, 1916, 8 P. M. Proposal bond to accompany bids. The Ridley Park School District reserves the right to reject any or all bids. Separate bids will be received for Plumbing, Heating and Electric Work. Plans and specifications can be seen at the office of the architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia, Pa.

RIDLEY PARK SCHOOL DISTRICT.

G. L. Jones, President.

J. B. Partridge, Secretary.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 1, 1916.—Sealed proposals will be opened in this office at 3 p. m. September 12, 1916, for the alterations, etc., to the building adjacent to the United States Post Office at Brooklyn, N. Y. Drawings and specifications may be obtained from the Supervising Chief Engineer, 727 Customhouse Building, New York City, from the custodian of the Brooklyn, N. Y., Post Office, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

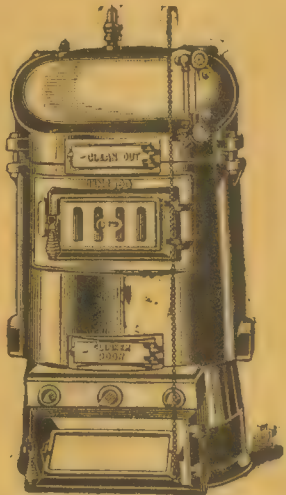
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Reference Directory for Architects, Builders and Owners

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 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 The Rexim Co.....908 Chestnut st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Asphalt Shingles.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Automobiles.**
 Eastern Motors Corporation,
 1634 Chestnut st., Phila.
- Blue Prints.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
 The Rexim Co.....908 Chestnut st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Blue Print Paper.**
 Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co.....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Hogg Construction Co., Inc.,
 1634 Sansom st., Phila.
 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 David France Co.,
 Tasker st. wharf Delaware River, Phila.
- Cement.**
 P. H. Fairlamb Co.....115 S. 30th st., Phila.
 David France Co.,
 Tasker st. wharf, Delaware River, Phila.
 Samuel H. French & Co.,
 4th and Callowhill sts., Phila.
 Lehigh Portland Cement Co., Penna. Bldg., Phila.
- Cement Colors.**
 Samuel H. French & Co., 4th and Callowhill sts.
- Columns (Metal).**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Dampproofing.**
 The Barrett Co.....New York City and Phila.
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 Grant Pulley and Hardware Co.,
 3 W. 29th st., N. Y., & Land Title Bldg., Phila.
 Richards-Wilcox Mfg. Co.....50 N. 6th st., Phila.
- Drawing Materials.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
- Electrical Specialties.**
 Large-Dail Mfg. Co.....114 N. 13th st., Phila.
- Electrical Construction.**
 Baird-Osterhout Construction Co.,
 1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
 Philadelphia Electric Co.,
 10th and Chestnut sts., Phila.
- Engineers' Supplies.**
 Charles H. Robbins.....125 S. 11th st., Phila.
 Warren-Knight Co.....136 N. 12th st., Phila.
 F. Weber & Co.....1125 Chestnut st., Phila.
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 Anchor Post Iron Works,
 Real Estate Trust Bldg., Phila.
- Fire Doors.**
 Merchant & Evans Co.,
 2035 Washington ave., Phila.
- Fireproofing.**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Flooring.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
- Furnaces.**
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
 Borden Stove Co.....118 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
 Henry M. Miller.....46-48-50 N. 2d st., Phila.
 Richardson and Boynton Co., 1342 Arch st., Phila.
- Gas and Gas Appliances.**
 United Gas Improvement Co.,
 Broad and Arch sts., Phila.
- Granite.**
 Holmesburg Granite Co.,
 Commercial Trust Bldg., Phila.
- Heating Contractors.**
 Bowers Bros. & Co.,
 Real Estate Trust Bldg., Phila.
- Heating Boilers.**
 Richardson and Boynton Co., 1342 Arch st., Phila.
 H. B. Smith.....1225 Arch st., Phila.
- Insurance.**
 Harris J. Latta.....Penna. Bldg., Phila.
- Iron Work (Structural and Ornamental).**
 James G. Madden...Franklin Bank Bldg., Phila.
- Lockers.**
 Edward Darby & Sons Co., Inc.,
 233 Arch st., Phila.
- Lumber.**
 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
 Howard Ketcham.....3d and Girard ave., Phila.
 James E. Tague & Co.,
 10th and Columbia ave., Phila.
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 Belfi Bros. & Co.....20-22 S. 19th st., Phila.
- Metal Lath.**
 Consolidated Expanded Metal Co.,
 Larkin Bldg., Phila.
- N. J. Wire Cloth Co.,**
 Trenton, N. J., and 627 Market st., Phila.
- Pearce Fireproof Co.....1345 Arch st., Phila.**
- Mill Supplies.**
 The Fairbanks Co.....7th and Arch sts., Phila.
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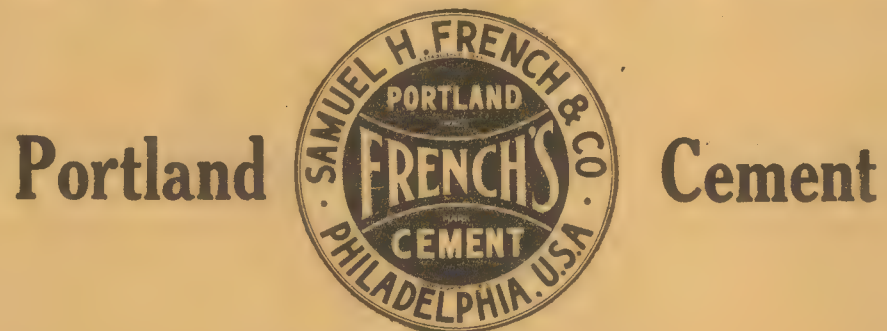
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Vol. XXXI., No. 33.

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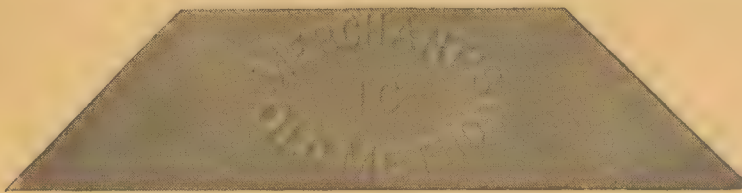
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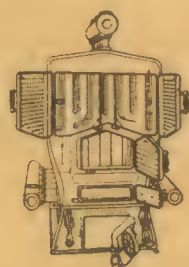


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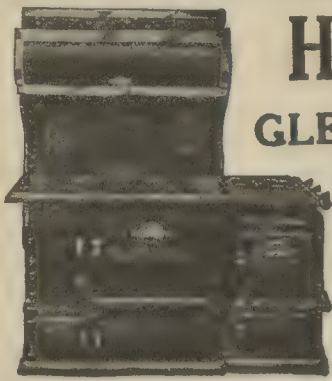
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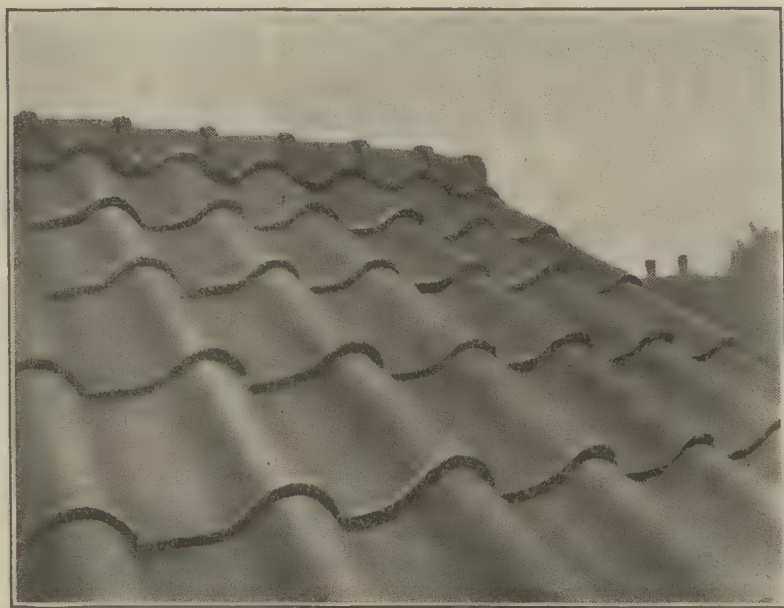


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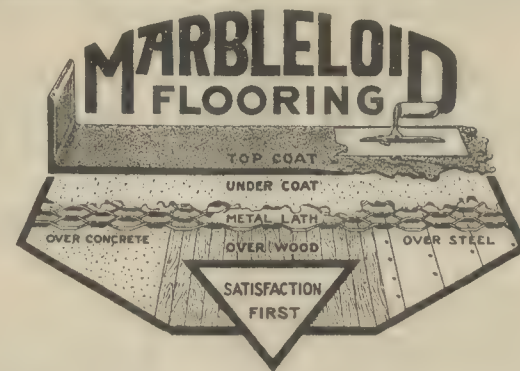


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VOLUME XXXI
Number 33

PHILADELPHIA
August 16, 1916



As The Editor Sees It



Defining Fireproof Construction.

WHEN may a building be said to be "fireproof"? We have heard the term "fireproof" referred to as a misnomer by building experts whose contention is that while a building may be slow-burning construction, or may be fire-retardant, such a thing as a "fireproof" structure simply does not exist.

It is an old saying in the building trades that no building can be made any more fireproof than its contents.

Be that as it may, the New York Legislature in the new Labor Law adopted in that State supplies a very fair and, to our way of thinking, a reasonably efficient definition of just what is meant by the term "fireproof construction" where factories are referred to.

"Fireproof construction. A building shall be deemed to be of fireproof construction if it conforms to the following requirements: All walls constructed of brick, stone, concrete, or terra cotta; all floors and roofs of brick, terra cotta or reinforced concrete placed between steel or reinforced concrete beams and girders; all the steel entering into the structural parts encased in at least two inches of fireproof material, excepting the wall columns, which must be encased in at least eight inches of masonry on the outside and four inches on the inside; all stair wells, elevator wells, public hallways and corridors inclosed by fireproof partitions; all doors, fireproof; all stairways, landings, hallways and other floor surfaces of incombustible material; no woodwork or other combustible material used in any partition, furring, ceiling or floor; and all window frames, doors and sash, trim and other interior finish of incombustible materials; all windows shall be fireproof windows except that in buildings under seventy feet in height fireproof windows are required only when within thirty feet of another build-

ing or opening on a court or space less than thirty feet wide, and except further that any window not within thirty feet in a direct line of another building not in the same vertical plane, nor opening on a court or space less than thirty feet wide, nor within fifty feet in a vertical direction above the roof of a building within thirty feet, may be provided with plate glass not less than one-fourth of an inch in thickness, no light of which shall exceed seven hundred and twenty square inches in area; except that in buildings under one hundred and fifty feet in height there may be wooden sleepers and floor finish and wooden trim, and except that in buildings under one hundred and fifty feet in height heretofore constructed there may be wooden sleepers, floor finish and trim and the windows need not be fireproof windows, excepting when such windows are within thirty feet of another building."

The objection might be urged to the foregoing section that it is somewhat drastic, but if the act is enforced, and the indications are that it will be, it ought to result in factory buildings that are as nearly "fireproof" as it is possible for human ingenuity to make them.

* * *

An Important Recent Decision.

BY the way, under the terms of a decision just handed down by Justice Geigerich, of the Supreme Court, the new Labor Law in New York State takes precedence in so far as factory buildings are concerned, over all other acts and ordinances.

Incidentally, the State Industrial Board, which is charged with the enforcement of the Labor Act, is of paramount authority to the Fire and other commissions in the matter of orders affecting factory construction.

The case at bar was an application made by William H. Browning, of

Browning, King & Co., through his attorney, Alexander C. MacNulty, for a writ of mandamus commanding the Fire Commissioner to cancel an order requiring Mr. Browning to inclose in fire-resisting material a lightshaft in the factory building at 16 West Fifty-seventh street. The order, like all of the similar orders issued by the Fire Department, was based on alleged authority given by Chapter 12, Article 2, Section 20, of the City Ordinances. Mr. MacNulty argued that the provisions of the Labor Law took precedence of the ordinances and were exclusive in the matter. He quoted an opinion of the Court of Appeals, which pointed out the evils likely to result from the vesting of concurrent power over the same subject in two different bodies or officials. Justice Geigerich said that the requirements of Sections 79-a, 79-b, and 79-c of the Labor Law were not in substitution of the requirements of any general or special law or local ordinance relating to the construction, equipment, or maintenance of buildings, but that the provisions of such sections should be observed as well as the provisions of these sections. Then he said:

"Now, it seems to be clear that the ordinance above referred to does give power to the Fire Commissioner of this city to establish requirements inconsistent with the provisions of the section referred to, or at least inconsistent with the rules and regulations covering the same subject that may be adopted by the Industrial Board under the provision of that article.

"It is true that there is nothing in this case to show that there is any conflict or inconsistency between the order of the Fire Commissioner and any rule or regulation so far adopted by the Industrial Board, but this makes no difference. The section just above quoted is not limited by its terms to a case where some officer has established requirements inconsistent

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with the rules and regulations of the Industrial Board, but it applies to the power to establish such requirements, and if such power is given by any other provision of law or ordinance, then such provision is superseded by the sections of the Labor Law above referred to. The motion is therefore granted, with \$50 costs."

The decision has created something of a stir in New York City, for the reason that it practically invalidates thousands of fire prevention orders issued by the Fire Department within the past few months and affects some 36,000 such orders promulgated within the past two years.

* * *

Life of a Steel Frame Building.

WHAT is the life of a steel frame building? When these structures were first erected, a little more than a quarter of a century ago, many predicted that the steel would rust, and within ten or fifteen years the condition of the structure would become dangerous.

But there now are standing a number of buildings more than twenty-five years old, constructed on the steel frame principle, with the weight supported by the skeleton and the walls merely a shell.

These buildings are in good condition, practically as solid and substantial as when they were built. But recently the razing of the old Champlain Building on the northwest corner of State and Madison streets, Chicago, according to Straus's Investors Magazine, gave the opportunity to examine the condition of the frame work and allow experts to draw the deduction that a properly constructed steel frame building will last for hundreds of years.

The Champlain Building was constructed in 1893 on a lot 63 by 106 feet. The building was fifteen stories in height, with one shallow basement. It had structural steel framework, with joists five feet apart; flat tile arches and fire-proofing of terra cotta brick and terra cotta curtain walls, and a so-called floating foundation—shallow spread footings on blue clay. The steel frame was painted with iron oxide paint, two coats.

When the building was torn down after standing for nearly a quarter of a century it was found that the steel was practically unaffected by rust, the greatest corrosion visible under the microscope being .009 of an inch. Practically speaking, the steel was in as sound condition as when it was first put in place, and all signs indicated that the building was good for an indefinite period. The footings, steel I-beams—unpainted—imbedded in Portland cement, showed no corrosion whatever.

Holabird & Roche, the architects of

the building, who conducted the examination when it was torn down, came to the following conclusions as a result of their investigation:

"The condition of this building seems to indicate that the exclusion of air and moisture is essential for the preservation of the steel and also of the paint. The appearance of the rust suggests that it may have been formed soon after the building was constructed, and that it has not been progressive. Even if the worst case of rusting has been progressive and should continue at the same rate, it would be more than a century before failure of the members would result.

"The present practice of incasing all structural steel in concrete, or plastering it with Portland cement mortar; separating the pipe shaft from the steel and of using greater care in covering terra cotta anchors, certainly safeguards the framework of the structure for a much longer period than the probable economic life of such buildings."

* * *

Historic Old City Markets.

THE old city markets which formerly occupied Market street, Spring Garden street, Callowhill street, Second street between Pine and South and North Second street, have a special interest to the student of history and to the antiquarian as relics of an early period in the city's development. They are also of interest as having been probably the very earliest centers of retail business of every kind. In an article on city markets prepared by Charles W. Baldwin, clerk in charge of markets of the Bureau of City Property, we learn what an important influence the old High street market exercised on general business. Like all the old market houses, it occupied the middle of the street on High street just west of Second and eventually gave the name of Market street to that thoroughfare. It was built in 1707 and known as "The Towne House," and was admitted to be the handsomest and most pretentious building in the Colonies in its time. The first floor or basement was used as a market house and from its balcony the early Mayors of the city were accustomed to deliver their inaugural addresses. City Councils and the State Legislature met in the Towne House and continued to meet there till the State House was built in 1735. In its immediate vicinity virtually all the retail business of the city was conducted, and there are many who date the decline of the section around Second and Market and Third and Market streets as a retail business center from the removal of the old market house in 1859.

But Two Houses Remain.

ONLY two of the old market houses of the city remain, the North Second street market, on Second street between Fairmount avenue and Poplar street, which was established in 1785, and the South Second street market, on Second street between Pine and South streets, which was built in 1745 by Edward Shippen, the first Mayor of Philadelphia, who, together with Joseph Wharton, advanced the money for its construction with the understanding that they were to be eventually reimbursed by the city for their outlay, though whether they were or not so reimbursed history sayeth not. Though the removal of these two markets has been frequently urged as obstacles to traffic, they have been allowed to remain and probably will continue to remain, as there are many who see some connection between the removal of the old market houses and the high cost of living to-day as compared with a generation ago. The North Second street market has lately been completely renovated by the city according to modern sanitary ideas with regard to the exposure of food for sale at the trifling cost of \$12,000, and an appropriation has been secured to renovate the old South Second street market house, which it is promised will be done without sacrificing the Colonial aspect of the building. The plans for renovating both buildings provide for the inclosing and screening of food exposed for sale and the installation of facilities for flushing and cleaning the buildings. The City of New York has in the last few years spent hundreds of thousands of dollars in renovating its old market houses, many of which it has retained, and the Astor estate recently spent upward of \$1,000,000 on the erection of a modern sanitary market house on a lot owned by the estate on the upper East Side.

* * *

Advance in Market Construction.

THE immense strides made in market construction within recent years is shown in the remodelling of the interior of the Terminal market in this city. Stalls of glazed brick and tile, cement construction, modern ideas as to drainage and sanitation, have made this market a show-place of its kind. Superintendent McKay, under whose supervision the remodelling of the interior was carried on, visited all of the notable modern markets of the country before embarking on the work and claims to have evolved a scheme of construction and arrangement superior to anything else of the kind in the country.

No More Advertising Banners.

ADVERTISING banners strung across the streets from building to building have been ordered removed by Superintendent of Police Robinson, with the approval of Director of Public Safety Wilson. The action is said to have been taken at the instance of the Art Jury. The superintendent's order states that such banners are unsightly and dangerous, and a nuisance contrary to law. Owners of all present banners will be allowed a reasonable time in which to remove them, and those failing to comply with the order will be reported by patrolmen. No more banner permits will be issued.

This is admirable so far as it goes, but why not go just a step farther and do away with the equally hideous and not less dangerous billboards that deface some of our finest thoroughfares?

Has the Art Jury no jurisdiction in the matter of these ugly and often offensive billboards placed like great screaming blots often in the finest residential sections?

If the advertising banner is objectionable, surely the billboard and the fence advertising standard is equally so.

Why balk at the one and look with toleration if not complacency upon the other?

* * *

A Sample of Quick Work.

TWO massive girders, each weighing 88,000 pounds, were swung into place without interfering with traffic for a minute, at the new bridge over the Philadelphia and Reading Railway between Jenkintown and Noble stations in Abington township.

Immediately following the passage of a New York express train, flat cars on which one of the big metal supports were loaded were shifted into position and two heavy cranes swung the girder into place.

Before the next train arrived at the bridge which will eliminate what is known as the "Switchville" crossing, a swarm of structural workers had securely fastened the big piece of metal. Later the second girder was put in place.

of \$2 a ton in steel bars and the imminence of a further rise for wire and wire products. Domestic buyers of other steel products who have been abstaining from competing with the foreign munition trade, are again in the market with large inquiries for steel rounds, blooms and forgings. Foreign buying of a new kind is also setting in strongly. While the finished munition business may be ebbing, the foreign demand for the raw materials is growing.

* * *

The architects' registration act which has come into force in New York State is rather more stringent than those in other American States. It provides that nobody must practice under the title of "architect" unless he has received a certificate of qualification from a board of five examiners. In New Jersey, for example, a diploma or other evidence of graduation from a full course of architecture may be accepted as a satisfactory evidence of competent knowledge of architecture, design and construction. In New York this must be supplemented by at least three years' practical experience.

In New Jersey, again, any person who was engaged in the practice of architecture when the act was passed, and presents an affidavit to that effect, is entitled to receive a certificate without further test. In New York the act provides that an architect must have been engaged in the profession for more than two years before the passage of the act, and must also present satisfactory evidence as to character, competency and qualifications before he is entitled to a certificate.

EDITORIAL NOTES

In their monthly review of financial and trade conditions, Edward B. Smith & Co. say: "American manufacturers are gaining through foreign trade, influenced as it has been and still is by war currents, in a way and to an extent which has very great importance for this country. Along with an actual falling off in imports of finished manufactures there goes a huge increase in exports of manufactured products. Government figures for eleven months of the latest fiscal year make striking demonstrations of this fact. The result of our world commerce was to give American manufacturers and labor a net advantage of more than \$2,000,000,000. Earnings have accomplished wonderful results in a year for American industrial concerns. They have paid off floating debt, they have reduced funded indebtedness, they have modernized plants and equipment, they have paid for extensions of facilities, they have made dividends or extra dividends, and they have built up besides great cash funds which stand to guarantee the maintenance of dividends.

* * *

The total amount of capital invested in manufactures in Pennsylvania in 1914, according to the Census Bureau of the Department of Commerce at Washington, was \$3,149,006,000, a gain of \$400,405,000, or 14.6 per cent. over the figures for 1909.

Jacob Feldman, builder, of 1017 Jackson street, was held under \$500 bail for a further hearing by Magistrate Harris on the charge of disregarding building ordinances relative to filling the sidewalks with rubbish. Feldman has been erecting a half-row of houses on Pine street between 59th and 60th. According to James McCabe, a building inspector, Feldman allowed rubbish to accumulate on the street and also mixed mortar on the asphalt pavement.

McCabe testified that, although Feldman had been notified several times to clean up the rubbish, he paid not attention to the order, and that even after his license had been revoked he went on with building operations.

* * *

Fire losses in the United States and Canada in July were \$23,013,800, as against \$12,247,500 in June last and \$9,066,800 in July, 1915.

* * *

Fundamental conditions in the building market have been but little changed by the events of the week, except that the time when building operations of the first class are to be resumed has been put a little farther off, if owners are determined to wait for lower prices on structural steel.

A higher rather than a lower level of values is foreshadowed by the advance

BUILDERS' GUIDE

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and Builders' Guide

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hospital (alts. and add.), Broad and Ontario streets, Philadelphia. Architect, private plans. Owners, Samaritan Hospital, Broad and Ontario streets. Brick, cement and concrete work, new roof garden and sun parlor, slag roof, heating extension, electric lighting, vitrified tile floors. Owners have received bids.

Intake and Outlet House, Torresdale, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Water Department, Geo. E. Datesman, Director, City Hall. Brick, granite, concrete and terra cotta, 1 story, 74x24 feet, and 35x26 feet, slag and slate roof, steel doors, steel sash, proposal bond. Owners taking revised bids, due August 18th, at Room 216. The following are figuring: McCloskey & Bahls, Hale Building; Peoples Bros., Twenty-fifth and Callowhill streets; H. E. Baton, Twelfth and Sansom streets; H. H. Wehmeyer, 1004 Lehigh avenue; W. W. Anstine & Co., 1218 Filbert street, Philadelphia; F. G. Stewart, 1619 Sansom street; Wills, Ludwick Co., 36 S. Seventeenth street; Jas. H. Wells, Heed Building.

Factory Building, Darien and Noble streets, Philadelphia. Engineer, David O. Davis, Westminster Building, Chicago, Ill. Owners, John Morrell & Co., Philadelphia. Brick and reinforced concrete, 3 stories and basement, 126x50 feet, composition roof, brick floors, reinforced concrete floors, tile work, ventilators, fire doors, fireproofing, stone work. Engineer taking bids. In addition to those previously reported, R. C. Ballinger & Co., 218 N. Thirteenth street, and Thomas Reilly, 1616 Thompson street; Monaghan & Losse, 3016 Chestnut street, are figuring.

Office Building (alt. and add.), Third and Chestnut street. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, N. W. Ayer & Son, on premises. Consists of interior and exterior alterations, reinforced concrete and brick work, slag roof, steam heating, electric lighting, lunch room on roof. Architect has received bids.

Machine Shop, 140 North Juniper street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, P. J. Collins, on premises. Brick, 1 story, 13x100 feet, stone, terra cotta, cement and concrete work, slag roof, steam heating, electric lighting. Architect has received bids.

Convenience Station, Cornelius Park, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, City Hall. Brick and concrete, 2 stories, slate roof, interior tile walls, 2 pavilions, 1 wood, 1 brick, 1 story, slate roofs. Plans completed. Architect ready for bids, due August 22d.

Convenience Station, Westmoreland Park, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Pa. Brick and plaster, 1 story, slate roof, interior tile walls. Plans completed. Architect ready for bids, due August 22d.

Factory, 4901 Stenton avenue, Philadelphia. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, Leeds & Northrup Co. 4901 Stenton avenue, Philadelphia. Brick and reinforced concrete, 5 stories, 54x100 feet, slag roof, hot air heating, electric lighting, fire doors, ventilators. Plans completed. Architects ready for bids.

Sotrage Building, 1210-12-14 Nectarine st.,

Philadelphia. Architects, private plans. Owners, Tinius Olsen Testing Machine Co., Twelfth and Buttonwood streets. Brick, 4 stories, slag roof, steel sash, freight elevator. Plans about completed. Lam Building Co., 1001 Wood street, will take sub-bids in a few days.

Parochial hcSool, Belgrade and Westmoreland and Madison avenue. Architects, Ballinger & Perrott, 1700 Arch street, Philadelphia. Owners, Church of the Nativity, Monsignor J. P. Turner, on premises. Brick, stone and steel, fireproof, 4 stories, 125x170 feet, slag roof, steam heating, electric lighting, tile work. Revised plans in progress.

Factory Buildings (3), Twenty-fifth and Hunting Park avenue, Philadelphia. Architects, Ballinger & Perrott, 1701 Arch street, Philadelphia. Owners, Edward G. Budd Manufacturing Co., Twenty-fifth and Hunting Park avenue. Brick, steel and reinforced concrete, 5 stories, 75x330 feet, 1 story, 125x310 feet, 1 story, 85x300 feet, concrete, slag and wood roof, steam heating, electric lighting, fire doors, metal lath, waterproofing. Architects taking bids, due August 22d. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denekla Building; Warren, Moore & Co., Commercial Trust Building; H. E. Baton, Twelfth and Sansom streets; Haibach Cont. Co., Twenty-sixth and Thompson streets; Turner Concrete Steel Co., 1713 Sansom street; F. W. Mark Cont. Co., Finance Building; Barclay White Co., Perry Building; Geo. A. Fuller Co., Widener Building, all of Philadelphia; Leonard Const. Co., N. Y. City; Stone & Webster Eng. Corp., N. Y. City; Samuel Austin Sons, Cleveland, Ohio; Fidelity Const. Co., Heed Building; Nickson-Dugan Const. Co., Bailey Building, and E. F. Fonder, Land Title Building.

Saloon, Restaurant and Dwelling, 463 North Third street, Philadelphia. Architect, C. E. Rahn, 410 Walnut street, Philadelphia. Owner, Ph. Barth, on premises. Brick, 3 stories, slag roof, tile and marble floors, steam heating, electric lighting. Architect taking bids. Stacey Reeves & Sons, 2011 Market street, and Geo. L. Sipps, 912 Locust street; H. C. Dahl, 231 South Eighth street, are figuring.

Fire Hosue (alt. and add.), 4210 Ridge avenue, Philadelphia. Architect, Louis A. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Consists of interior alterations, new hose tower, 4 stories, 12x14 feet, stone and brick, slag roof, tile and marble work, metal lockers, metal lath, hardwood and mineral floors, new partitions. Architect taking bids, due August 17th at noon. The following are figuring: Jas. L. Connor, 1345 Arch street; Eugene Tourison, 1001 Chestnut street; H. E. Baton, Twelfth and Sansom streets; F. A. Havens & Co., 845 North Nineteenth street; W. W. Anstine & Co., 1218 Filbert street; Mitchell Bros., 2125 Race street; H. H. Wehmeyer, 1004 W. Lehigh avenue; E. F. Fonder, Land Title Building; Wm. M. Mundy, 228 S. Alder street; John Jordun, Thirty-first and Oxford streets, and E. C. Durell, 1713 North Twenty-fourth street; Monaghan & Losse, 3016 Chestnut street, Philadelphia.

Store Building, 857 North Broad street, Philadelphia. Architect, Charles E. Oel-schlager, Harrison Building, Philadelphia. Owner, name withheld. Brick and terra cotta, 2 stories, 30x160 feet, slag roof, steam heat-

ing, electric lighting, fire doors, metal lath, tile floors, cement work. Architect has received bids.

Storage House (add.), 724 Sansom street, Philadelphia. Architect, Addison H. Savery, St. Girard Building, Philadelphia. Owners, Geo. T. Bisel & Co., 724 Sansom street, Philadelphia. Brick and frame, 5 stories, 9x26 feet, Plans in progress. Will take bids in two weeks.

Chapel (alt. and add.), Broad and Wolf sts., Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Methodist Episcopal Church, Broad and Wolf streets. Marble, tile work, wood carving, windows, etc. Plans in progress.

Church and alts. to Sunday School, Twentieth and Chelton avenue. Architects, Neff & Thames, Heed Building, Philadelphia. Owners, Covenant Presbyterian Church, Rev. H. W. Hathaway, Sixty-fifth avenue and Twenty-first street, Philadelphia. Stone, 1 and 2 stories, 83x85 feet and 37x50 feet, slate roof, steam heating, electric lighting. Architects taking revised bids, due August 16th. F. L. Hoover & Sons, 1023 Cherry street; Burn P. Evans Co., Thirteenth and Wallace street, and Thomas C. Trafford, 1613 Sansom street, are figuring.

Factory Building, Darien and Noble streets. Engineer, David O. Davis, Westminster Building, Chicago. Owners, John Morrell & Co., Philadelphia. Brick and reinforced concrete, 3 stories and basement, 126x50 feet, composition roof, brick floors, reinforced concrete floors, tile work, ventilators, fire doors, fireproofing, stone work. Engineer taking bids. In addition to those previously reported, F. A. Havens & Co., 845 North Nineteenth street, are figuring.

Residence and Garage (alt. and add.), 2109 Walnut street. Architect, Charles Barton Leen, Bailey Building, Philadelphia. Owner, Howard Reifsnyder, 110 South Front street, Philadelphia. Brick and stone, 4 stories (plumbing, heating and electric work, tile work, roofing and plastering reserved). Revised plans about completed. Architect will take new bids in a day or two.

SPECIALIZED MEDIA FOR SPECIALIZED THINGS.

It must be evident to any thinking man that the place to advertise commodities or appliances special to any given industry is in the publications that reach that industry and that such advertising, if well written, well displayed and persistently kept up, will not only effect the desired sales, but will build up a permanent good-will asset of inestimable value. . . .—R. R. Shuman, in "Standard Advertising."

The business man who grudges a commission to an advertising agent who thinks "he can do it himself" is usually about as intelligent as he would be if he grudged the commission of the architect and decided to build his store for himself.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Parish House, Lincoln Drive, Germantown. Architect, Spencer Roberts, 1524 Chestnut st., Philadelphia. Owners, Church of the Epiphany, care Rev. I. A. McGrew, Pelham road. Stone, 1 story, 50x99 feet, slate roof (electric lighting and heating reserved). Contract awarded to I. T. Shoemaker, 1324 Walnut st., Philadelphia.

Store and Apartments (alts.), northwest corner Fifteenth and Tasker streets. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owners, Baer & Snyder, on premises. Brick, 3 stories, slag roof, electric lighting, tile work. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

Residence (alts. and add.), 1712 Walnut st., \$2,000. Architect, private plans. Owner, Miss Marie Seibel, on premises. Brick, 1 story, mill work, painting, plastering, cut stone, marble work. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Freight House (add.), Shaekamaxon street, Philadelphia. Architect, private plans. Owners, Penna. Railroad Co., 3200 Powelton avenue. Philadelphia. Brick and stucco, 1 story, 70x17 feet, Dextiel shingle roof (electric work reserved). Contract awarded to Lincoln H. Smith, 23 North Sixty-third street, Philadelphia.

School, Diminick Township, Susquehanna Co., Pa. Architect, Chas. H. Atherton, Wilkes Barre, Pa. Owners, School District, Diminick Township, Susquehanna Co., Pa. Brick and steel, 1½ stories, 44x76 feet, slate roof, steam heating, waterproofing. Contract awarded to E. T. Long, Wilkes Barre, Pa.

Residence, Scranton, Pa., \$10,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owner, Dr. E. L. Lindsey, Madison avenue, Scranton, Pa. Frame, 2½ stories, 30x48 feet, slate roof (steam heating and combination lighting reserved), tile and hardwood floors. Contract awarded to Hagen Lumber Co., Scranton, Pa.

Residence, Scranton, Pa., \$6,000. Architect, J. B. Thomson, Connell Building, Scranton, Pa. Owner, A. R. Alexander, Scranton, Pa. Frame, 2½ stories, 40x30 feet, shingle roof, steam heating, electric lighting, hardwood floors. Contract awarded to Stender Bros., Scranton, Pa.

Residence, Chestnut Hill, Philadelphia. Architects, E. J. Holmes & Co., and C. Wharton Churchman, 1525 Locust street, Philadelphia. Owner, Edward Swain, Pennsylvania Building, Philadelphia. Stone, 2½ stories, 28x52 feet, shingle roof, oak floors, electric lighting (heating reserved). Contract awarded to James B. Flounders, 1329 Arch street.

electric lighting, reinforced concrete and wood floors, elevators and dumb-waiters, fire doors, ventilators, metal sash, sprinkler system. Architect ready for bids in one week.

School, Exeter Borough, Luzerne Co., Pa., \$35,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners, School District, Exeter Borough, Luzerne Co., Pa. Brick, 2 stories, 90x70 feet, asbestos roof, steam heating, electric lighting, waterproofing, slate blackboards. Plans in progress.

Church, Throop, Pa., \$45,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners, St. Anthony's Polish R. C. Church, Rev. R. A. Wiesiolowski, Throop, Pa. Brick, stone and steel, 1 story, 60x130 feet, slate roof, steam heating, electric lighting, combination floors. Revised plans about completed. Architect will be ready for bids in a few days.

Hotel and Apartments (35 rooms), Olyphant, Pa., \$15,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, name withheld. Frame and brick veneer, 3 stories, 48x56 feet, slag roof, steam heating, electric lighting, composition and maple floors. Architect has received bids.

Garage and Apartments, Bethlehem, Pa., \$20,000. Architect, A. A. Schulz, Bethlehem Trust Co. Building, Bethlehem. Owner, A. Weiper, Broad street, Bethlehem, Pa. Hollow tile, 2½ stories, 55x106 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, four fire doors, ventilators, sprinkler system. Plans in progress.

Residences (5), Bethlehem, Pa., \$15,000. Architect, A. A. Schulz, Bethlehem Trust Co. Building, Bethlehem, Pa. Owners, Bethlehem Realty Co., Thos. A. Dunn, Bethlehem. Hollow tile and stucco, 2½ stories, 22x26 feet, slate roof, hot air heating, electric lighting. Plans completed. Owner is taking bids.

Bungalow, Westside, Bethlehem, Pa., \$7,000. Architect, W. J. Weigner, Bethlehem Trust Co. Building, Bethlehem. Owner, Frank J. King, Bethlehem, Pa. Hollow tile and brick, 1½ stories, 58x32 feet, slate or tile roof, hot water heating, electric lighting, tile and hardwood floors. Plans completed. Architect will take bids, due August 28th.

Factory, Sunbury, Pa., \$20,000. Architects, Jacoby, Weishample & Weigner, Bethlehem Trust Co. Building, Bethlehem, Pa. Owners, Sunbury Converting Works, Sunbury, Pa. Brick and steel, 1 story, 132x93 feet, slag roof, steam heat, electric lighting, wood and cement floors, ventilators, wood sash, metal lath. Plans in progress.

Residence, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Barry H. Jones, South Bethlehem, Pa. Brick, hollow tile and stucco, 2½ stories, 60x78 feet, slate and shingle roof, hot water heating, electric lighting, tile and hardwood floors, swimming pool, skylight, dampproofing. Plans about completed. Will take bids in a few days.

Church, Pen Argyl, \$25,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, First Presbyterian Church, Pen Argyl, Pa. Stone, terra cotta, 1 story, 90x56 feet, slate roof, steam heating, electric lighting. Plans in progress.

Office Building, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Bethlehem Foundry and Machine Co., S. Bethlehem, Pa. Brick, terra cotta and steel, 6 stories, 44x52 feet, slag roof, steam heating, electric lighting, hardwood and tile floors, iron stairways, elevators, steel vaults, waterproofing and dampproofing. Plans in progress.

Garage (add.), Dallas, Pa., \$2,000. Architects, Newberry & Foster, Wilkes Barre, Pa. Owner, W. F. Newberry, Wilkes Barre, Pa. Frame, 2 stories, 20x20 feet, shingle roof, electric lighting. Plans in progress.

School, Lehman Township, Luzerne Co., Pa. Architect, Chas. H. Atherton, Wilkes Barre, Pa. Owners, School District of Lehman Town-

PENNSYLVANIA

Construction News

Bridge, Perkasio, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway, Reading Terminal, Philadelphia. Concrete and steel. Owners taking bids, due August 18th. A. L. Carhart, Hale Building; Armstrong & Latta, Land Title Building, and Brann & Stuart, Commercial Trust Building, are figuring.

Bridge, Tamaqua, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway, Reading Terminal, Philadelphia. Concrete and steel. Owners taking bids, due August 19th. A. L. Carhart, Hale Building, and Armstrong & Latta, Land Title Building, Philadelphia, are figuring.

Bridge, New Philadelphia, Pa. Architect, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Phila. & Reading Railway, Reading Terminal, Philadelphia. Steel and concrete. Owners taking bids, due August 19th. A. L. Carhart, Hale Building, and Armstrong & Latta, Land Title Building, Philadelphia, are figuring.

Residence, Whitmarsh, Pa. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, Mrs. John J. Henry, Cherokee and Moreland streets. Stone, 2½ stories, 50x130 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Revised plans in progress. Ready for bids in one week.

Garage (add.), Wawa, Pa. Architects, Stearns & Castor, St. Girard Building, Philadelphia. Owner, Florence W. Wood, Wawa, Pa. Hollow tile and stucco, 2 stories, 33x18 feet, slate roof (heating reserved), yellow pine floors, cement work. Architects have received bids.

Rectory, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, St.

Stanislaus Polish R. C. Church, South Bethlehem. Brick, 2½ stories, 36x52 feet, slate roof, steam heating, electric lighting. Plans in progress.

Parochial School (alt. and add.), 449 South Sixth street, Reading. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Father W. H. Rooinkar, on premises. Brick, 3 stories, 24x32 feet, addition 34x16 feet, slag roof, steam heating, electric lighting. Plans in progress.

Parochial School, Northampton, Pa., \$400,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, St. Mary's R. C. Church, Rev. B. Sommer, Northampton. Brick, 3 stories, 72x68 feet, slag roof, steam heating, electric lighting, dampproofing. Architect has received bids.

Store, Residence and Apartment, South Bethlehem, Pa., \$12,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owner, H. F. Hest, Bethlehem, Pa. Hollow tile, brick and stucco, 2½ stories, 40x73 feet, store fronts, slate roof, hot water heating; electric lighting, tile, composition and hardwood floors, waterproofing. Architects have received bids.

Store (add.), 34 S. Main street, Wilkes Barre, Pa. Architect, L. Reisman, Dime Bank Building, Scranton, Pa. Owner, A. Hurewitz, Scranton, Pa. Reinforced concrete and brick, 1 story, 21x50 feet, slag roof, electric lighting, new store front. Owner is taking bids.

Store and Apartments, Old Forge, Pa. Architect, L. Reisman, Dime Bank Building, Scranton, Pa. Owner, E. E. Skowitz, Old Forge, Pa. Frame, 2 stories, 39x99 feet, slag roof, steam heating, electric lighting. Owner is taking bids.

Silk Mill, Scranton, Pa., \$35,000. Architect, Frank J. Miller, Scranton, Pa. Owner, name withheld. Brick and steel, 2½ stories, 55x300 feet, Barrett Spec. roof, steam heating,

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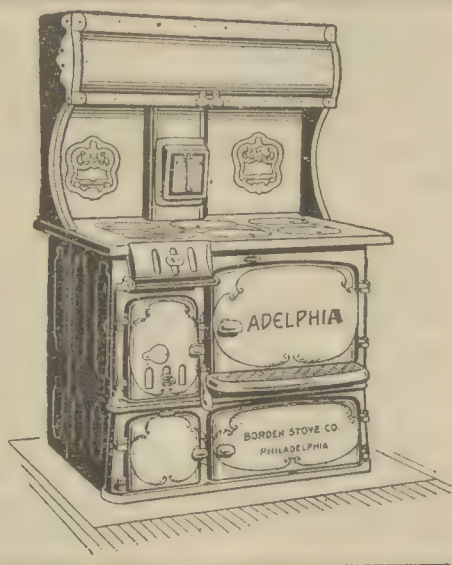
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ship, Fred Ide, president, Dallas R. F. D., Pa. Frame or brick, 1 story, 40x80 feet, slate roof, steam heating, electric lighting, waterproofing. Plans in progress.

Residence, Dorranceton, Pa., \$6,000. Architects, Newberry & Foster, Wilkes Barre, Pa. Owner, E. B. Wagner, Dorranceton, Pa. Hollow tile and tsucco, 2½ stories, 23x40 feet, slate roof, steam heating, electric lighting. Plans in progress.

High School, Ashley, Pa., \$50,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre, Pa. Owners, Board of Education, Thos. Cole, secretary, Ashley, Pa. Brick and steel, 2 stories, 118x100 feet, slag roof, steam heating, electric lighting, composition floors, waterproofing. Plans in progress.

Department Store, Wilkes Barra, Pa., \$85,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Philadelphia. Owners, Jacous Long & Sons, Wilkes Barre, Pa. Brick, steel and terra cotta, 3 stories, 70x200 feet, slag roof, steam heating, electric lighting, waterproofing, fire doors, sprinkler system, passenger and freight elevators. Plans about completed. Architects will be ready for bids in a few days.

Store (alt. and add.), Beaver Brook, Pa., \$6,000. Architect, Geo. S. Welsh, Coal Exchange Building, Wilkes Barre, Pa. Owner, C. M. Dodson, Beaver Brook, Pa. Frame, 2 stories, 10x65 feet, shingle roof, marbleoid and concrete floors, compo board. Owners are taking bids.

School, Simpson, Pa., \$40,000. Architect, Guy W. Osterhout, Connell Building, Scranton, Pa. Owners, Board of Education, Simpson, Pa. Brick and steel, 2 stories, 60x100 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will be ready for bids in about two weeks.

Hospital (alts. and add.), Bryn Mawr, Pa. Architects, Furness Evans & Co., Provident Life Building, Philadelphia. Owners, Bryn Mawr Hospital, care trustees, Bryn Mawr, Pa. Stone and brick, 3 stories, 18x50 feet, slate roof, metal lath, ventilators, electric lighting extension, terrazzo, mosaic floors. Architects taking bids, due August 16th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; Geo. L. Croll, Rosemont, Pa.; Jacob Myers & Sons Co., Witherspoon Building; F.

H. Mahan, Ardmore, and Wolf & Dilworth, Bryn Mawr, Pa.

Telephone Exchange, Kingston, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., 1320 Arch street, Philadelphia. Brick and limestone, 2 stories, 59x30 feet, slate roof, hot water heating, electric lighting, cement floors, metal louvre, ventilators. Architect taking bids, due August 18th. F. W. Van Leon, Denckla Building, and F. L. Hoover & Sons, 1023 Cherry street, are figuring.

Electrical Furnace Building, Tacony, Pa. Architect, private plans. Owners, Henry Diss-ton & Sons, Inc., Tacony, Pa. Chief engineer, M. A. Blum. Steel and concrete, 1 story, 75x150 feet and 40 feet, corrugated iron roof, metal sash. Plans completed. Ready for bids.

Factory Building, Bethlehem, Pa. Architect, W. S. Barstow & Co., 50 Pine street, New York City. Owners, Silve Company, Bethlehem, Pa. Reinforced concrete, 1½ stories, 270x50 feet, Barrett roof (heating and lighting reserved), concrete floors. Engineers taking bids, due August 17th. Irwin & Leighton, 126 North Twelfth street, is figuring.

Building (add.), Frankford, Pa. Architect, Walter Smedley, 904 St. Girard Building, Philadelphia. Owners, Friend's Hospital, on premises. Brick and hollow tile, tin roof, steam heating extension, electric lighting extension, yellow pine floors, and terrazzo floors, metal lath. Architect has received bids.

Residence (alts.), Bryn Mawr avenue, Bryn Mawr, Pa. Architects, Stewardson & Page, 316 Walnut streets, Philadelphia. Owner, Mrs. Jesse Nalle, Bryn Mawr, Pa. Consists of interior and exterior alterations. Architect taking bids, due August 17th at noon. Stacy Reeves & Sons, 2011 Market street; Wm. R. Dougherty, 1610 Sansom street, and F. E. Wallace, 1220 Chancellor street, are figuring.

High School, Ridley Park, Pa., \$80,000. Architect, Paul A. Davis, 3d, 1713 Sansom st., Philadelphia. Owners, Board of Education, Ridley Park, Pa. Brick and terra cotta, 2 stories, 125x70 feet, slag roof, steam heating, electric lighting, metal lath, ventilators, concrete floors. Owners have received bids.

College Building, near Chestnut Hill, Pa., \$500,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, Carson College for Orphan Girls, Witherspoon Building.

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Sewage Disposal System and Water Supply System, Muncy, Pa. Engineers, Albright & Mebus, Land Title Building, Philadelphia. Owners, State of Penna., State Industrial Home for Women, Muncy, Pa. Reinforced concrete and stone work, terra cotta pipe. Plans completed. Engineers ready for bids.

Residence, Merion, Pa. Architect, Edwin C. Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, name withheld. Hollow tile and plaster, 2 stories, shingle roof, hot water heating, electric lighting. Plans in progress.

School, West Chester, Pa. Architect, Paul A. Davis, 3d, 1713 Sansom street. Owners, Board of Education, West Chester, Pa. Brick, stone, terra cotta and concrete, 2 stories, slag roof, steam heating, electric lighting, fire doors, ventilators (plumbing, heating and electric work separate bids). Will be ready for bids about September 1st.

Residence and Garage, Overbrook, Pa. Architect, John I. Bright, 1701 Chestnut street, Philadelphia. Owners, Morris Estate, Overbrook, Pa. Hollow tile, 2½ stories, 30x71 feet, tile or slate roof, hot water heating, electric lighting, tile work, hardwood floors; garage, reinforced concrete in basement, cement floors. Architect taking bids, due August 17th. The following are figuring: Alfred James, Bala, Pa.; Jos. J. Graham, Bryn Mawr, Pa.; Gray Bros., Rosemont, Pa.; Graham-Campion Co., Heed Building, and Wills-Ludwick Co., 36 S. Seventeenth street; A. L. Fretz & Son, Heed Building; Henry L. Brown, 1714 Sansom st.

Residence (alt. and add.), Chestnut Hill, Pa. Architect, Charles Marton Kean, 1218 Chestnut street, Philadelphia. Owner, T. Charlton Henry, Chestnut Hill, Pa. Brick and frame, interior alterations, new heating system. Plans in progress. Will be ready for bids in two weeks.

Administration Building, Darby and Eagle roads. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Haverford Township Commissioners, Dr. H. B. More, secretary, Llanerch, Pa. Stone, terra cotta, administration building, 2 stories, 46x76 feet; service building, 2 stories, 45x54 feet, slate roof, steam heating, electric lighting, waterproofing, tile work, iron stairs, roof

ventilators, proposal bond. Lowest bid submitted by E. Oscar Lobb, Llanerch, Pa.

Post Office and Union News Stand, St. Davids, Pa. Architect, private plans. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick and stucco, 1 story, 35x22 feet, slate roof (heating, lighting and plumbing reserved), concrete and wood floors, ventilators. Owners taking bids, due August 26th at 11 A. M. Jacob Myers & Sons, Witherspoon Building, are figuring.

Store Building, South Main street, Wilkes-Barre, Pa. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Jonas Long's Sons, Wilkes-Barre, Pa. Brick and terra cotta trim, 3 stories, 200x70 feet, Warrens roof (heating and lighting reserved, wood floors, metal lath, sprinkler system, kalamein doors, steel sash, ventilators, elevators, tile work. Architects taking bids, due August 24th at 4 P. M. Charles McCaul Co., 1619 Sansom street, Philadelphia, are figuring.

Residence, Wynnefield, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, William F. Hudson, care of architect. Stone, 3 stories, 70x32 feet, slate roof (heating not decided), electric lighting, tile work, hardwood floors. Architect taking bids, due August 26th. The following are figuring: H. E. Grau Co., 1709 Sansom street; J. Sims Wilson Co., 1125 Brown street; E. J. Hedden, Finance Building; A. L. Fretz & Sons, Heed Building; James B. Flounders, 1329 Arch street, Philadelphia.

Freight House, Hazleton, Pa. Architect, private plans. Owners, Lehigh Valley Railroad Co., care of chief engineer, 143 Liberty street, New York City. Brick and terra cotta, 1 and 2 stories, 305x421 feet, asbestos roof, steam heating, electric lighting, concrete and wood floors, wire lath, roof ventilators, tile work, kalamein and fire doors, steel sash. Owners taking bids, due August 23rd. F. L. Hoover & Sons, 1023 Cherry street, Philadelphia, are figuring.

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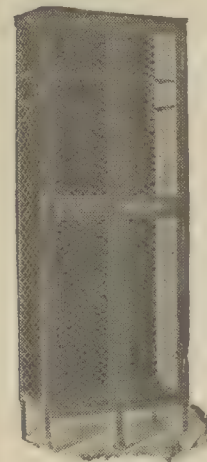
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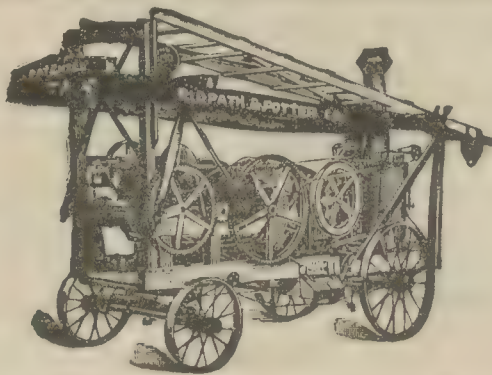
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PENNSYLVANIA

Contracts Awarded

Residence (alt. and add.), Haverford, Pa. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, Mrs. A. J. Cassett, Haverford, Pa. Stone and frame, 2½ stories, slate roof, oak floors, tile work, expanded metal (plumbing, heating and electric work reserved). Contract awarded to Geo. L. Croll, Bryn Mawr, Pa.

School Building and Alts. (alts.), Narberth, Pa. Architect, Clyde S. Adams, 1609 Arch street, Philadelphia. Owners, Board of Education, Narberth, Pa. Stone, 2 stories, 90x63 feet, slate roof, hollow tile partitions, concrete floors, safety treads, kalamein doors, ventilators, metal lath (heating, plumbing and electric work separate bids). Contract awarded to Abel Bottoms & Sons Co., 3611 Chestnut st., Philadelphia.

Residence (alt. and add.), Lansdowne, Pa. Architect, private plans. Owner, T. M. Fitzgerald, Lansdowne, Pa. Stone, 2½ stories, consists of general alterations. Contract awarded to Stacy Reeves & Sons, 2011 Market street.

Residence (alts.), Oreland, Pa. Architects, Stewardson & Page, 320 Walnut street, Philadelphia. Owner, A. C. Harrison, Drexel Building, Philadelphia. Consists of new doorway and interior alterations. Contract awarded to W. John Stevens, Wyncote, Pa.

Residence, Media, Del. Co., Pa. Architect, Geo. S. Idel, 34 South Sixteenth street, Philadelphia. Owner, Joseph Hill Brinton, 1201 Chestnut street, Philadelphia. Frame, 3 stories, 31x53 feet, shingle roof, wood, brick and cement floors (heating and lighting reserved). Contract awarded to Herman Niemeyer, 302 Weightman Building.

Residence (alt. and add.), Springfield, Pa. Architect, Addison H. Savery, St. Girard Building, Philadelphia. Owner, F. C. Robinson, Springfield, Pa. Consists of new heating system, plumbing and general interior alterations. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Bungalow, Bethlehem, Pa., \$2,600. Architect, A. P. Schulz, Bethlehem, Pa. Owner, W. A. Haas, Bethlehem, Pa. Brick, 1½ stories, 25x42 feet, slate roof, hot water heating, electric lighting. Contract awarded to F. F. Speck, Bethlehem, Pa.

Residences (8), Bethlehem, Pa., \$32,000. Architect, A. A. Schulz, Bethlehem Trust Building, Bethlehem. Owners, United Realty Co., Wm. Reigle, P. O. Building, Bethlehem. Brick, 2½ stories, 16x42 feet, slag roof, hot air heating, electric lighting. Contract awarded to Speck Bros., Bethlehem, Pa.

Twin Residence, Bethlehem, Pa., \$12,000. Architect, A. A. Schulz, Bethlehem Trust Building, Bethlehem. Owner, George Myers, Bethlehem, Pa. Hollow tile and stucco, 2½ stories, 33x56 feet, slate roof, hot water heating, electric lighting, hardwood floors, water-proofing. Contract awarded to L. N. Jones, Catasauqua, Pa.

Twin Residences (2), South Bethlehem, Pa. Architect, A. Leh, South Bethlehem, Pa. Owners, Citizen Realty Co., Wm. Scott, South Bethlehem, Pa. Brick and stucco, 2 stories, 37x39 feet, shingle roof, hot air heating, electric lighting, hardwood floors. Contract awarded to Robert Pfeiffer, South Bethlehem, Pa.

Printing Plant (add.), Scranton, Pa., \$20,000. Architects, Davey & Crowther, Coal Exchange Building, Scranton, Pa. Owner, name withheld. Brick and steel, 4 stories, 50x75 feet, reinforced concrete and slag roof, steam heating, electric lighting, reinforced concrete floors. Contract awarded to Parsons Const. Co., Miller Building, Scranton, Pa.

Garage and Storage, Olyphant, Pa., \$5,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, J. B. Jordan, Olyphant, Pa. Reinforced concrete and brick, 2 stories, 30x40 feet, slag roof, hot water heating, metal sash, electric lighting, reinforced concrete floors. Contract awarded to Holt Lumber Co., Carbondale, Pa.

NEW JERSEY

Construction News

Residence, Burlington, N. J., \$9,000. Architect, Harry A. Brown, Burlington, N. J. Owner, Henry A. Brown, Burlington, N. J. Hol-

low tile and brick, 2½ stories, 56x23 feet, wing 23x15 feet, slate roof, steam heating, electric lighting, tile and hardwood floors,

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clampproofing. Owner will sub-let all contracts.

Residences (4), Cuyler avenue, Trenton, N. J., \$8,000. Architect, private plans. Owner, Ed. A. Lee, Trenton, N. J. Brick and frame, 2½ stories, 14x38 feet, slate and tin roof, hot water heating, electric lighting. Owner is sub-letting all contracts.

School Building, Laurel Springs, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Board of Education, Laurel Springs, N. J. Brick, stone trimmings, 2 stories, 87x50 feet (heating, ventilating, plumbing and electric work separate bids). Plans completed. Plans may be obtained at architect's office upon deposit of \$15.00. Architect ready for bids.

Residence, Haddonfield, N. J. Architect, Wm. C. Prichett, 416 Walnut street, Philadelphia. Owner, Wm. S. Le Duc, Haddonfield, N. J. Frame, 2½ stories, 28x46 feet, stone, brick, cement and concrete work, shingle roof (heating and lighting reserved), cement and tile floors. Architect has received bids.

Residence, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Marcus E. Douglas, Woodbury, N. J. Stone and frame, 2½ stories, 74x32 feet, shingle, tile and canvas roof, (heating and lighting reserved), wood and concrete floors. Architect has received bids.

Church (alts. and add.), Trenton, N. J.

Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, St. James Episcopal Church, Trenton, N. J. Brick, 1 story and basement, slate roof, steam heating, electric lighting. Owners are taking bids.

Club House, Woodbury Heights, N. J. Architect, Oliver R. Parry, 1631 Chestnut street, Philadelphia. Owners, Altwold Country Club, Woodbury Heights, N. J. Care, John Mayhew, president, Camden, N. J. Stone, terra cotta and timber, 2 stories, shingle roof, electric lighting, steam heating, refrigerating plant, boiler house, hardwood floors, tile work. Plans in progress.

Residence, Bridgeton, N. J., \$7,500. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, John P. Leap, Pennsgrove, N. J. Hollow tile and stucco, 2½ stories, 44x30 feet, slate or tile roof, hot water heating, combination lighting, maple floors, metal lath, waterproofing. Architects have received bids.

School, Vineland, N. J. Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, Landis Township School Board, care W. S. Mitchell, Vineland, N. J. Brick, 2 stories, 57x40 feet, slag roof, iron stairs, concrete floors, roof ventilators (heating, plumbing and electric work separate bids). Architect taking revised bids. J. D. Pasquale, Vineland, N. J., is figuring (only bidder).

NEW JERSEY

Contracts Awarded

Residence, Burlington, N. J., \$5,000. Architect, H. A. Brown, Burlington, N. J. Owner, C. J. Ahlee, Burlington, N. J. Frame, 2½ stories, 30x28 feet, shingle roof, hot water heating, electric lighting, tile work. Contract awarded to John J. Norcross, Burlington, N. J.

Residences (4), Randall avenue, Trenton, N. J., \$6,000. Architect, private plans. Owner, Guisepp Costaldo, Trenton, N. J. Brick, 2½ stories, 13x28 feet, slate and tin roof, hot air heat, gas lighting. Contract awarded to Antonio Agliarulo, Trenton.

Sewage Disposal System, Skillman, N. J., \$45,000. Architect, Geo. S. Drew, Trenton, N. J. Owners, N. J. State Epileptic Village, Skillman, N. J. Reinforced concrete tanks and terra cotta piping. Contract awarded to

J. F. Shonley Co., Essex Building, Newark, N. J.

Schools (3) (completion), Barrington, Lawnside and Highland Park. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Center Township School Board, care A. E. Grueff, Magnolia, N. J. Brick, 2 stories, consists of interior completions. Contract awarded to Chas. T. Owens, Blackwood, N. J.

Garage (alts. and add.), Merchantville, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Merchantville Auto Company, Merchantville, P. Brick, 1 story, 50x50 feet, slag roof, hot water heating. Contract awarded to G. Sterner, Merchantville, N. J.

School (alt. and add.), Maple Shade, N. J., \$1,500. Architect, Arnold H. Moses, 136 S.

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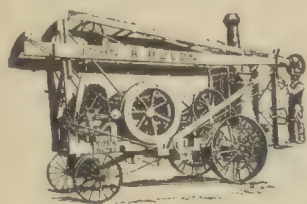
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Miscellaneous Construction News

Factory and Office, Wilmington, Del., \$65,000. Architect, John J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Wilmington, Del. Brick and steel, 6 stories, 195x40 feet, slag roof, steam heating, electric lighting, maple floors, (10) fire doors, sprinkler system, elevators, iron stairs. Plans in progress. Ready for bids in ten days.

Storage Warehouse, Sixteenth and King sts., Wilmington, Del. Architect, J. Austin, Wilmington, Del. Owners, Security Storage Co., Wilmington, Del. Brick and steel, 6 stories, 195x84 feet, slag roof, electric lighting. Architect will be ready for bids in ten days.

Dormitory Building, Newark, Del. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware State College, Newark, Del. Brick and marble, 3 and 4 stories, 30x160 feet, slate roof, fireproof metal lath, steam heating (plumbing, heating, electric work, tile work, interior marble and exterior marble, terra cotta partitions, roofing and furring separate bids). Architect taking bids, due August 24th. The following are figuring: Jacob Myers & Sons Co., Witherpoon Building; George & Borst, 277 South Eleventh street; R. C. Ballinger & Co., 218 North Thirteenth street; Pomeroy Const. Co., 1619 Ranstead street; Doyle & Co., 1619 Sansom street; Philadelphia; Matthews Const. Co., Princeton, N. J., and J. A. Bader & Co., W. Howard May and Wm. D. Haddock & Co., all of Wilmington, Del.

Residence, Garage, Playhouse, Gardener's Cottage and Barn, Meyers road, Indianapolis, Ind. Architects, D. A. Bohlen & Son, Majestic Building, Indianapolis. Owner, Henry F. Campbell, Indianapolis. Reinforced concrete, tile and terra cotta, 2½ stories, 56x80 feet,

1½ stories, 49x44 feet; 2½ stories, 25x25 feet, 2 stories, 25x27 feet, 2 stories, 40x41 feet, tile and shingle roofs (heating and lighting reserved), hardwood and cement floors, metal lath. Architect taking bids, due August 22d. Chas. McCaul Co., 1619 Sansom street, Philadelphia, is figuring.

Post Office, Ashland, Ohio. Architect, Jas. A. Wetmore, Treas. Department, Washington, N. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick and hollow tile, 1½ stories, 67x82 feet, composition and tin roof, steam heating, electric lighting, wood, tile and terrazzo floors, iron grilles, kalamein floors, metal sash. Owners taking bids, due August 24th. Chas. McCaul Co., 1619 Sansom street, Philadelphia, are figuring.

Factory (alt. and add.), Second and Greenhill avenue, Wilmington, \$10,000. Architect, John J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Wilmington, Del. Brick, 2 stories, 150x50 feet, slag roof, steam heating, electric lighting, spruce and maple floors, dampproofing, metal lath, (5) fire doors, dampproofing. Contract awarded to Joyce & Kerrigan, Wilmington, Del.

Post Office, Newark, Ohio. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Hollow tile, 1 story, 132x82 feet, composition roof, steam heating, electric lighting, cement and wood, metal lath, dampproofing and waterproofing, cement and wood floors, kalamein doors, roof ventilators, marble work. Owners taking bids, due August 16th. Charles McCaul Co., 1619 Sansom street, Philadelphia, are figuring.

MARYLAND

Construction News

Residence, Guilford, Md. Architect, E. L. Palmer, Munsey Building, Baltimore. Owner, Samuel T. Edel, 1217 Harford avenue, Baltimore. Brick, 2½ stories, slate roof, electric lighting, hot water heating, tile work, hardwood floors. Plans in progress.

Station, Asbestos, Md. Engineer, H. R. Pratt, Continental Building, Baltimore. Owners, Western Maryland Railway, Continental Building, Baltimore. Concrete, 1 story, 25x75 feet. Plans in progress.

Store (alts.), 311 North Charles street, Baltimore, \$7,000. Architects, Sparklin & Childs, Law Building, Baltimore. Owners, Auman & Werkmeister, 16 West Lexington street, Baltimore. New front, plumbing, granite work and interior alterations. Architects taking bids,

due August 24th. The following are figuring: Henry S. Rippel, 7 Clay street; Singer-Pentz Co., 600 Equitable Building; Consolidated Eng. Co., Calvert Building; Cowan Building Co., 106 West Madison street; Blake & Engle, Law Building; Price Concrete Const. Co., Maryland Trust Building; P. J. Frazier & Son, John Waters Building Co., 23 East Center street, all of Baltimore.

Apartment, 933-35 Brooks lane, Baltimore, Md. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore. Owners, Abell Building Co., Equitable Building, Baltimore. Brick and concrete, 3 stories, 42x60 feet, slag roof, steam heating, combination lighting, tile work. Owners ready for sub-bids.

Hotel, Baltimore, Md. Architect, Otto G.

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Simonson, Maryland Casualty Tower. Owners, Southern Hotel Co., Baltimore, Md. Reinforced concrete, steel, granite, terra cotta, fireproofing, 16 stories, 92x148 feet, concrete, slag and tile roof, steam heating, electric lighting, marble floors, tile work, fire doors,

metal lath, metal columns, dampproofing (heating and electric work separate bids). Architect taking bids, due August 29th. Irwin & Leighton, 126 North Twelfth street, and Cramp & Co., Denekla Building, Philadelphia, are figuring.

MARYLAND

Contracts Awarded

Residence and Garage (alts.), Oakington, Md., \$28,000. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, Commodore Leonard Richards, care of architect. Consists of general remodeling of residence and garage. Stone and brick, steam heating, electric lighting, refrigerating plant, hardwood floors, tile work. Contract awarded to John F. Kunkel, 29 South Linwood avenue, Baltimore.

Dwellings (21), 2700-2740 Hugo avenue, Baltimore, Md., \$22,000. Architect, private plans. Owners, Broring Building Co., 2800 Harford avenue, Baltimore. Brick, 2 stories, 14x43 feet, tin roof, hot air heating. Owners are ready for sub-bids on all lines.

Prison, Conton, Baltimore, Md., \$15,000. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore, Md. Owners, Baltimore

County Commissioners, Baltimore, Md. Brick, 2 stories, tin or slag roof, steam heating, electric lighting, modern plumbing. Contract awarded to E. Eyring & Son, 800 South Third street, Baltimore, Md.

Moving Picture Theatre, 619-621 North Central avenue, Baltimore, \$3,700. Architect, private plans. Owner, Joseph Diggs, on premises. Brick, 1 story, 30x100 feet, electric lighting. Owner will take sub-bids on all lines.

Stores and Apartment, Whitelock street, near Brookfield avenue, Baltimore, \$6,000. Architect, J. E. Moxley, 1709 Edmondson avenue, Baltimore. Owner, N. J. Myerberg, 210 North Calvert street, Baltimore. Brick, 2 stories, 22x73 feet, slag roof, steam heating, electric lighting. Contract awarded to Fred Decker & Son, 1209 East Biddle street, Baltimore.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Herbert H. Downsborough (O and C), 6225 Webster street. Cost, \$5,000. Two dwellings, brick, 1 story, 16x25 feet, slag roof, hot water heat, east side Cobb Creek boulevard. Cost, \$16,000. Eight dwellings, brick, 2 stories, 16x25 feet, slag roof, hot water heating, Cobbs Creek and Webster street.

Serpoule Casparian (O), 642 South Sixtieth street. H. J. Mahyanbins (C), 5926 Walnut street. Cost, \$2,000. Store and dwelling, brick, 2 stories, 16x8 feet, flush bulks, 634-36 South Sixtieth street.

W. J. Uza (O), 2667 Edgemont street. Lewis Ashler (C), 4433 Salmon street. Cost, \$6,400. Four dwellings, brick, 2 stories, 14x42 feet, slag roof, hot air heating, 4462-64-66-68 Edgemont street.

J. Holland (O and C), 309 S. Fifty-first street. Cost, \$6,500. Garage, brick, 1 story, 70x100 feet, rubberoid roofing.

Alex. Applebaum (O), 319 S. Sixth street. Harry Hiller (C), 427 Catherine street. Cost, \$7,000. Store and dwelling, brick, 2 stories, hot water, slag roof, 20x70 feet, 310 S. Fifth

Overbrook Baptist Church (O), Sixty-third and Malvern avenue. Thos. C. Trafford (C), 1613 Sansom street. Cost, \$7,000. Church, stone and wood, 1 story, 32x53 feet, steam heat, slag roof, Sixty-third and Malvern avenue.

Henry J. Shotts (O), Seventy-five and Buist avenue. George S. Roe (C), 6949 . Cost, \$3,600. Two dwellings, brick, 2 stories, slag roof, 25x127 feet, hot air heating, Seventy-fifth and Buist avenue.

Benj. Alexander (O), 1326 Chestnut street. E. J. Kreidburg (C), 1345 Arch street. Cost, \$23,144. Store, stone and brick, 2 stories, slag roof, 60x75 feet, steam heating, 13-15-17-19 North Thirteenth street.

Chas. H. Rightly (O and C), 7036 Woodland avenue. Cost, \$40,000. Eight dwellings, brick, 2 stories, slag roof, 15x52 feet, hot water, Northeast boulevard and Rosehill st.

Clarence L. Marks (O), 611 Vine street. McCloskey & Bahls (C), 1326 Chestnut street. Cost, \$35,500. Store, brick, 3 stories, slag roof, 55x125 feet, steam heat, 1611 Vine street.

Alterations and Additions

Residence, 3603 Hamilton street. Cost, \$650. Mrs. Chambers (O), on premises. W. W. Lutteriey (C), 503 North Fifty-second street. Hot water heater.

Store and Dwelling, 3050 Frankford avenue. Cost, \$5585. Emile S. Schneider (O), 3017 Frankford avenue. Arthur Brown (C), 190 E. Clearfield street. Brick, 2 stories, 20x40 feet, 1 story, rear 15x16 feet, new bulks, hot water heat.

Apartments, 2018 North Twelfth street. Cost, \$400. Mrs. Chas. Bates (O), 46 North Fifty-seventh street. Wm. F. Ritz (C), 34 S. Second street. Hot water heating apparatus.

Clubs House, southeast corner Sixteenth and Pearl streets. Cost, \$900. T. A. B. Society (O), Sixteenth and Pearl streets. Harry Molley (C), 518 North Nineteenth street. Steam heating system.

Church, southwest corner American and Brown streets. Cost, \$500. Pastor E. L. Hoff (O), on premises. Wm. W. Diehl (C), 909 North American street. Brick chimneys.

A. W. Banman (O), 2021 Wallace street. Frank Kuhert (C), 704 Walnut street, Darby, Pa. Cost, \$360. Dwelling, brick, 1 story, tin roof, 9x14 feet, 2021 Wallace street.

A. H. Bowers (O), 2238 N. Twenty-seventh street. Wm. Brown (C), 2711 W. Silver st. Cost, \$395. Dwelling, brick, 1 story, slag roof, 12x12 feet, 2238 N. Twenty-seventh st.

B. Schaeffer (O), 1201 Chestnut street. M. F. Rochestein (C), 877 N. Seventh street. Private houses, interior alterations.

Second German Baptist Church (O), Hancock and Dauphin streets, Camden. Barney Taylor Eng. Co. (C), 32 Federal street. Cost, \$1,200. Church, steam heating system.

J. A. Beck (O), 807 Filbert street. E. R. Jahuir Co. (C), Sixty-third and Walnut sts. Cost, \$500. Store, hot water heating, 807 Filbert street.

J. Wesseling (O), 3017 Almond street. John Jameson (C), 2681 Huntington avenue. Cost, \$300. Dwelling and store, new bulks, 3017 Almond street.

Chas. K. Rightly (O), 7036 Woodland avenue. Thos. W. Lea (C), 7036 Woodland avenue. Cost, \$500. Garage, brick, 1 story, 10x16 feet, slag roof, west side C street, south of Northeast boulevard. Cost, \$500. Garage, brick, 1 story, 10x16 feet, slag roof, Rosehill and Northeast boulevard.

Geo. V. Rahertson (O), 4236 Otter street. T. Naroucci Co. (C), 157 North Fifty-seventh street. Cost, \$500. Dwelling, brick, 1 story, tin roof, 15x9 feet, 4236 Otter street.

Hortense S. Becker (O), 1018 Chestnut st. Freund Siedenbach (C), 307 Bulletin Building. Cost, \$600. Restaurant, alteration, brick, 1203 Locust street.

Marcus & Co., Inc. (O), Thirteenth and Market streets. Federal S. S. Electric (C), 1618 Sansom street. Cost, \$600. Manufacturing building, sign construction and anchorage, Thirteenth and Market streets.

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.
DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

Chas. D. Barney & Co. (O), 122 S. Fourth street. Jacob Myer Sons (C), 608 Wither-
spoon Building. Cost, \$6,500. Banking pur-
poses, southwest corner Fourth and Sansom
streets, Interior alterations.

National Metal Edge Box Co. (O), 1217
Callowhill street. Smith Harding Co. (C),
1606 Cherry street. Cost, \$1,200. Manufac-
turing building, brick, elevator shaft, 1217
Callowhill street.

L. Walker (O), 1701 Chestnut street. Smith
Hardican Co. (C), 1606 Chestnut street. Cost,
\$300. Store, interior alterations, 1613 Market
street.

J. Bovis (O), 1535 South Seventh street. P.
Saver (C), 718 Snyder avenue. Cost, \$600.
Store, and dwelling, interior alterations, 727
Ritner street.

Stanley Co. (O), 1214 Market street. Smith
Hardican (C), 1606 Cherry street. Cost, \$800.
Moving picture theatre, interior alterations,
1632-34 Market street.

T. N. Sebastian (O), 1404 street. Nicola
Bartolamew (C), 1241 Christian street. Cost,
\$830. Store and dwelling, flush bulks, 1315
Federal street.

Arthur Sewall (O), 1206 Spruce st. Burd
P. Evans (C), Thirteenth and Wallace streets.
Cost, \$900. Dwelling, brick, 1 story, 6x4 feet,
1206 Spruce street.

Dr. G. Woodward (O), North American
Building. Wolverant Collins (C), North
American Building. Cost, \$1,500. Pantry, 1
story, 14x9 feet, corner Hartnell avenue and
St. Martin's lane.

Jas. Baskin (O and C), 822 Corinthian ave-
nue. Cost, \$1,000. Dwelling, 1 story, rear
brick, interior alterations, 1907 Fairmount
avenue.

Mosur J. Kan Society (O), 957 North Frank-
lin street. Arnow & Cutler (C), 860 North
Sixth street. Cost, \$400. Home for aged wo-
men, brick, 1 story, 6x16 feet, swylights, 957
North Franklin street.

Ben. Alexander (O), Hale Building. D.
Henwood (C), 1509 Ward street. Cost, \$1,000.
Store and dwelling, brick, 1 story, flush bulk,
interior alteration, 248 North Fifteenth street.

Endura Mfg. Co. (O), Sixty-third and East-
wick avenue. H. Foulkrod (C), 1409 Common-
wealth Building. Cost, \$8,000. Factory build-
ing, brick, 1 story, 107x24 feet, Sixty-third
and Eastwick avenue.

Dr. Styarek (O), 48 Harvey. N. J. Guhler
Co. (C), 29 High street. Cost, \$1,000. Dwell-
ing, new heating system, 48 Harvey.

Hiram C. Perry (O), 4030 Frankford ave-
nue. M. Ward Easby, Inc. (C), 1420 Chestnut
st. Cost, \$10,000. Dyehouse, brick, 1 story,
125x53 feet, 1-story addition to boiler house,
40x36 feet.

Louis Green (O), Thirteenth and Mont-
gomery avenue. Samuel R. Detwile (C), 1719
North Thirteenth street. Cost, \$500. Drug
store and dwelling, 1 story, 8x16 feet, brick
new bulks, interior alterations.

L. Miller (O), Judson and Somerset streets.
Chas. Sander (C), Twenty-eighth and Cambria
streets. Cost, \$350. Garage, 1 story, 12x16
feet, slag roof, electric lighting, Judson and
Somerset streets.

The Bell Co. (O), 953 North Hancock street.
Harry Gill (C), 2215 Germantown avenue.
Cost, \$500. Store, Interior alterations, Twen-
tieth and Parrish streets.

Berheimer & Sudheim (C), Tenth and Chest-
nut streets. Jas. Scoulnick (C), 872 North
Sixteenth street. Cost, \$600. Store and dwell-
ing, new flush bulk and interior alterations,
994 North Marshall street.

George Lasher (O), 3317 Kensington ave-
nue. Barnes Bros. (C), 2080 E. Willard st.
Cost, \$600. Store, brick, 1 story, 8x43 feet,

slag roof, galvanized iron cornices, 3315 Ken-
sington avenues.

Milton Plupeg (O), 410 Arch street.
Brownmonth Co. (C), 1611 Sansom street.
Cost, \$300. Dwelling, 1 fire escape, 450 North
Marshall street.

Girard Trust Co. (O), Broad and Chestnut
streets. Brownmonth Co. (C), 1611 Sansom
street. Cost, \$600. Dwelling, fire escape, 2011
Chestnut street.

Louis Wesehnef (O), 759 South Fourth st.
Harry Slass (C), 1809 North Seventh street.
Cost, \$540. Store dwelling, change bulk win-
dows and interior alterations, 759 S. Fourth
street.

Convoy & Keenan (O), 123 School lane. M.
Moister Co. (C), 3931 North Sixth street.
Cost, \$900. Garage, portable, 18x31 feet, gal-
vanized steel sheets, 2218 W. Ontario street.

Green Estate (O), Equitable Trust Co.
John McShainn (C), 10 South Eighteenth st.
Cost, \$1,200. Hotel, interior alterations,
Eighth and Chestnut streets.

E. Barrick (O), 4010 Chestnut street. War-
ren Biscoe (C), 3954 Ludlow street. Cost,
\$1,000. Offices, interior alterations, 4010-12-
14 Chestnut street.

Dr. Strawbridge (O and C), 1418 N. Fif-
teenth street. Cost, \$600. Garage, brick, 1
story, 18x16 feet, 1418 North Fifteenth street.

Mrs. Bricker (O), 1224 Spruce street. G.
K. Frank (C), 1113 Cherry street. Cost, \$300.
Offices, interior alterations, 1224-26 Spruce
street.

G. Danata (O), 1331 Christian street. A.
DeMarco (C), 1224 Christian street. Cost,
\$300. Dwelling, brick, 1 story, slag roof,
1339 Christian street.

Peter MacDonald (O), 201 North Sixth st.
Morris Sebel (C), 903 Cherry street. Cost,
\$386. Tin manufacturing shop, 1 story, tin
roof, 16x18 feet, cement floor.

Mrs. Tobey (O), Oregon avenue. H. Kuster
(C), 3646 G street. Cost, \$415. Saloon, new
flush bulk windows, northeast corner Six-
teenth and Oregon avenue.

Land Title Trust Co. (O), Broad and Chest-
nut street. H. B. Davis (C), 240 North Six-
teenth street. Cost, \$2,600. Offices, altera-
tions, 309 Walnut street.

Vim Motor Truck (O), Twenty-third and
Market streets. George Taylor (C), 247 North
Watts street. Cost, \$350. Manufacturing
building, elevator shaft, Broad and Hunting-
ton streets.

Simmon Hardware Co. (O), 425 Arch st.
George Taylor (C), 247 N. Watts st. Cost,
\$300. Warehouse, elevator shaft, 418-422
Cherry street.

M. Grabayes (O), southwest corner rank-
lin and Girard avenue. G. Peebles Co. (C),
37 North Tenth street. Cost, \$340. Hotel,
interior alterations, southwest corner Frank-
lin and Girard avenue.

Gulf Refining Co. (D), Fifty-eighth and
Schuylkill river. Chas. Colyan (C), 2065 S.
Lacford street. Cost, \$6,000. Warehouse, 1
story, slag roof, 94x62 feet, frame and inter-
ior alterations.

Fastover Synagogue (O), Sixth and Seigel
street. Miller & Staller (C), 326 South street.
Cost, \$1,200. Synagogue, interior alterations
southwest corner Sixth and Seigel streets.

Geo. M. McHadden (O), 119 Chestnut street.
J. S. Cornell & Son (C), 239 Land Title Build-
ing. Cost, \$800. Offices, interior alterations,
115 Chestnut street.

Mr. Forsyth (O), Meehan avenue, W. D.
Schock (C), Twenty-fourth and Pleasant sts.
Cost, \$700. Bungalow, frame, 1 story, 21x21
feet, Seffort street and Ridge avenue.

Joseph Gorregan (O), 1427 South Fifty-
fourth street. Conneen Const. Co. (C), 1829

Filbert street. Cost, \$1,860. Saloon and
dwelling, new windows and interior altera-
tions, Fifty-seventh and Eastwick avenue.

Schuylkill Forge Co. (O), American and
Pike streets. John J. Harding (C), 723 N.
Twenty-sixth street. Cost, \$5,600. Black-
smith's shop, brick, 1 story, slag roof, 20x20
feet, 1 story, rear, 43x84 feet.

Oscar Lorberg (O), 203 North Broad street.
Lam Building Co. (C), 1001 Wood street.
Cost, \$3,500. Store, brick, 1 story, slag roof,
20x60 feet, 671 North Broad street.

Endura Manufacturing Co. (O), Sixty-third
and Eastwick avenue. Hughes-Foulkrod Co.
(C), 1409 Commonwealth Building. Cost,
\$3,000. Factory, brick, 1 story, 20x30 feet.

Store, 461 North Second street, \$400. Es-
tate of John McCann (O). Pomeroy Con-
struction Co. (C), 1609 Ranstead street. Fire
repairs.

Dwelling, 1021 North Lawrence street, \$500.
Mike Glazier (O and C), 1021 North Law-
rence street. Brick, 2 stories, 13x11 feet, tin
roof.

Church, Forty-seventh street and Kingses-
sing avenue, \$4,500. Church of the Atonement
(O), on premises. C. F. Bachler (C), 146
North Tenth street. New heating plant.

Apartments, 2007 Chestnut street, \$700.00.
Derbyshire Esate (O), on premises. John
Baizley Iron Workes (C), 514 South Delaware
avenue. Fire escape.

Residence, 106 West Upsal street, \$765.00.
Robert R. Montgomery (O), on premises.
John E. Walt (C), 204 East Willow Grove
avenue. Brick chimney and interior altera-
Residence, 4246 North Broad street, \$300.
Caroline M. Weber, 4246 North Broad street.
Henry P. Schneider (C), 3713 Old York road.
Bay window.

Garage, 1515 North Bailey street, \$1,280.
Cornelius Gleason (O), 1728 North Twenty-
fifth street. Brick, 1 story, 16x34, slag roof,
cement floor.

AN INQUIRY FROM THE ORIENT.

The "Builders' Guide" Sought by an Archi-
tect at the University of Nanking,
Nanking, China.

University of Nanking,
Nanking, China, July 7, 1916.
Building News Publishing Co.,
Perry Building,
Philadelphia, Pa.

Gentlemen:

Will you please send me a sample copy of
your paper, "The Builders' Guide." I am
in the market for some architectural papers
and would not want to miss the opportunity
of seeing your paper before making my final
choice of papers. Thanking you for this
favor, I am,

Yours very truly,

ALEX. G. SMALL,
Supervising Architect.

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FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**John Pitcairn, largest stockholder of the Pittsburgh Plate Glass Company, which is known as the "Glass Trust"; president of the Loyalhanna Coal and Coke Company and a director of many other corporations, including the Central National Bank, died at his country home, Cairnwood, Bryn Athyn. He was the founder of the Swedenborgian Community and College at Bryn Athyn, to which he devoted much of his time and wealth. He was a member of the Union League and the Art and City Clubs, of this city, and of the Duquesne Club, of Pittsburgh.

**In 1882 Mr. Pitcairn became interested in the Pittsburgh Plate Glass Company. The manufacture of plate glass was then in its infancy. He became the largest stockholder in that company, was its president for several years and for the last few years had been chairman of the board of directors. The company has grown steadily and is the largest producer and distributor of plate glass in the world.

**Mr. Pitcairn is survived by three sons, Raymond, Theodore and Harold. Outside of business affairs his greatest interest was in the religion of Emanuel Swedenborg and the Swedenborgian college at Bryn Athyn. At that place Mr. Pitcairn had under construction a magnificent Gothic church. The structure will not be finished for several years. The building will be of marble and stone and the finish of hard woods.

**Senator Edwin H. Vare entertained the members of the Contractors' Association of Philadelphia at Abendrhu, his country estate at Ambler, recently.

**The 125 members of the association who enjoyed the outing motored to Senator Vare's farm, leaving the Parkway, at Seventeenth and Arch streets. Forty automobiles were required to convey them.

**Among those who enjoyed the outing were Charles A. Ambler, speaker of the house; David Peoples, president of the Contractors' Association; R. A. Manwaring, secretary; H. W. Underwood, treasurer, and Ralph R. Lewis, assistant secretary.

**Directors of the association, who arranged the details of the outing, are: E. H. Vare, J. P. McNichol, E. F. Bennis, Francis Boas, Harry C. Ambler, John Mundy, J. J. McHugh, Thomas Reiley, Robert Higgins and Walter Maxwell.

**Occupants of property within the line of the Parkway will be ordered to vacate as soon as Mayor Smith affixes his sig-

nature to the \$9,000,000 appropriation ordinance passed by Councils.

**In regard to the high-speed transit program for which councils appropriated \$57,000,000, the Mayor said that a tentative plan had been agreed upon to build so that the Darby elevated, the Broad street subway and the line in the northeastern section of the city would be completed first. "Our thought," said the Mayor, "is to build first into those sections where traffic is heaviest."

**Despite the high prices, the building trade in Philadelphia and its vicinity is busy, and notwithstanding the indication of higher wages in some lines, the demand for new buildings is on the increase, and architects are working to the limit of their capacity in their endeavors to get the work in the builders' offices for estimates. There still continues too much revision, a certain percentage of which easily could be eliminated by a little care in getting approximate bids and then sticking closely to the specifications upon which the approximates were made. As mentioned before, revisions mean a waste of time of every one concerned, and if we ever hope to get some kind of a system of efficiency in estimating, this question of revisions must be taken up first.

**A prospect opens up before the building material trades that the congestion of foreign munition orders, with the consequent high quotations and slow delivery of structural steel, which is hold back domestic orders, will melt away before the summer ends.

**Information from inner circles of the steel trade is to the effect that the maximum production of munitions in this country will be reached in October. Orders from the Allies are running low as their own productive powers grow. The manufacturing industries of Great Britain, France and Russia are now able to produce finished arms and munitions, as well as shell steel castings and forgings, in quantities almost sufficient for their great needs. Consequently, the American output for foreign account will be diminished as soon as the contracts now in hand are filled. Then prices for steel and other metals will naturally recede.

**This will let in on a normal basis the flood of pent-up domestic orders for structural steel for building construction. Probably market quotations will anticipate the actual change. Since the first of the year plans for 14 large and small hotels, to cost \$16,000,000, and 90 apartment houses, to cost \$18,500,000,

together with a formidable list of office and loft buildings, have been planned and figured, in the Borough of Manhattan alone, but only a minority have been put under contract so far.

**On the first of July, in Manhattan Borough, official returns to the building Bureau gave 219 new building jobs in progress, and 74 not started. Alterations—617 in progress, 699 not started.

**A congestion of construction work is not improbable under the circumstances. The head of a prominent building material house said he did not know where men and teams were coming from to handle the material for the jobs, should they be suddenly started all together. He never remembered a time when common labor for handling material was so scarce in this city.

**One of the most important realty deals on Broadway during the last few months was the purchase by Henry Ford of a frontage of 129.6 feet by 54.7 feet on Fifty-fourth street. The plot adjoins the Hotel Woodward and has a depth of 86.8 feet. The old buildings now occupying the plot will be raised and a sixteen-story building for the Ford Company is being planned by their architect, Albert Kohn, of Detroit. The plot and the improvements when consummated will represent an investment of several millions. Joseph P. Day was the broker and it is understood the property brought close to \$600,000.

**William Fox, president of the Fox Feature Film Corporation, 126 West Forty-sixth street, New York City, is taking estimates for the construction of a moving-picture plant which will cost approximately \$1,000,000. This operation will be located in Corona, L. I., on Jackson avenue, extending from Astoria avenue to Flushing Bay, between Fifty-first and Fifty-third streets. The plans for the project have been prepared by Thomas W. Lamb, architect, 644 Eighth avenue, Manhattan, and call for the erection of a group of brick and reinforced concrete buildings of various heights and dimensions. The group will include studio and administration buildings, powerhouse, storehouse, garage, restaurant and office building, all fireproof throughout. Contracts for the construction of this plant will be awarded at an early date, and work will start shortly after.

**Less building was done in Newark, N. J., during the month of May than was done a year ago, nevertheless architects and construction men are more hopeful of the future. Two hundred and eighty permits were issued, 19 of which were for factory buildings and the balance were for dwellings of brick and frame at an estimated cost of \$182,475 as against \$211,995 in 1915.

**A notable improvement in the centre of the Philadelphia shopping district will be the new \$1,000,000 annex to the Snellenburg stores, which is to be erected upon the ground extending from Girard street to Clover, and

from Eleventh street west to the present Stephen Girard building.

**The building is to be of reinforced concrete construction, of the "flat slab" type, a system which gives economy of space and strength. The spans between the supporting floors columns will be spaced as to give the minimum obstruction to the view from any floor point.

**The exterior shows a well-studied design, using brick, stone and terra cotta in a manner to obtain a pleasing architectural effect. Its large window openings will provide both plenty of light and ventilation, two great essentials in this type of building.

**The building was designed and is being constructed by William Steele & Sons Company, and will be completed in eight or nine months from the date of the signing of the contract.

**Robert P. Berner, architect, has opened an office in Roscoe, N. Y., for the general practice of his profession and desires samples and catalogues from manufacturers and jobbers in building materials and supplies.

**New officers were elected as follows at the annual meeting of the New Jersey Association of Master Steam and Hot Water Fitters, held in Newark, N. J.: President, T. B. Cryer; vice-president, J. S. Boyce, Asbury Park; secretary-treasurer, Harry Geiser; directors: George Turner, Asbury Park; George S. Kappel, Camden, and Walter Lawson, Newark.

**Prof. Emil Lorch, of the College of Architecture of the University of Michigan, has been appointed advisory committee on education, a newly created office of the American Institute of Architects. Prof. Lorch served three years on the general committee on education.

**Municipal Engineers of New York City, at their meeting were favored with an address by Frank G. McCann, chief of the engineering staff of the New York City Department of Education, on the heating and ventilation of the New York public schools.

**George Dietel, architect, 706 Humboldt Parkway, Buffalo, N. Y., desires catalogues and samples of building materials.

**Charles G. Benson, architect, and Miss Martha Wall Andrews, architects, have formed the firm of Benson & Andrews, and have opened offices at 840 Broad street, Augusta, Ga.

**Geo. A. Fuller Company, general contracting, has moved its offices from the Trinity Building to the Fuller Building, Broadway and Twenty-third street, New York City.

**Edward Horstmann, Jr., was recently appointed chief engineer of the Schuster Fireproof Contracting Co., of Newark, N. J.

**E. C. Paul, construction engineer, Chicago, Ill., is the author of a comprehensive and technical work, recently issued by the National Lumber Manufacturers' Association, entitled "Heavy Timber Mill Construction Building." The book was written for the guidance of architects and engineers.

**W. A. Ward, architect, and Chester A. Studwell, village engineer, have recently moved their offices from Main street, where they have been located for some years, to new quarters at 34 Adees street, Portchester, N. Y.

**Renewed efforts to extend the use of warm air furnaces were decided upon at the recent meeting of the National Warm Heat and Ventilating Association, which was held in Cleveland. President John D. Green, of Detroit, was re-elected, as were the other officers, including Vice-president F. T. Giblin, Utica, N. Y.; Treasurer W. G. Wise, Akron, O., and Secretary Allen W. Williams, Columbus, O. The executive committee for the coming year will be composed of John A. Howard, Dowagiac, Mich.; E. P. Miller, Marshalltown, Ia., and Charles Seelbach, Cleveland, O.

**In connection with the publicity campaign, it was voted to authorize a committee to collect and expend a fund for advertising on a basis of double the apportionment of last year. This would give about \$50,000 to be expended in the coming year. Last year the money was devoted largely to advertising in the general magazines.

**Announcement is made of the retirement of the Howard Thermostat Company, Oswego, N. Y., from business. The factory equipment, stock on hand, patents, good will, etc., have been purchased by the Minneapolis Heat Regulator Company, Minneapolis, Minn. The deal was negotiated by William R. Sweatt, president of the Minneapolis company. For the present, the Minneapolis company will furnish the trade with Howard devices.

**The transaction marks the retirement of an old-established concern, the Howard Thermostat Company having been in business since 1893.

**Atlantic Radiator Co., Huntington, Pa., announces the appointment of Howard T. Gates as general manager of the company. Mr. Gates was formerly president of the Hudson Boiler Mfg. Co., of New York. Judson A. Goodrich, vice-president of the Atlantic Radiator Co., who has had the general management of the company, will devote his entire time to the sales department.

**Sims Co., Erie, Pa., designers and manufacturers of steam specialties, including the Sims feed water tanks, announces that C. J. Moulton, brother of the late P. A. Moulton, has been appointed manager of the company's New York office at 47 West Thirty-fourth street.

**Gurney Heater Mfg. Co., Boston, Mass., announces the removal of its New York offices to 11 East Forty-second street, where larger and better facilities are provided for this important branch. Richard B. Hunt is the company's New York manager.

**National Metal Trades Association held its eighteenth annual convention in New York. It was attended by 372 delegates, which is a record attendance for this organization. The new president elected at the con-

vention is W. H. Van Deervoort, of the Root & Van Deervoort Engineering Co., East Moline, Ill.

GREAT ROAD BUILDING ERA ABOUT TO BEGIN.

Conservatively estimated, \$1,500,000,000 will be expended by the Federal Government, the State governments, the counties and the townships in the next five years on road construction and maintenance, or an average of \$250,000,000 yearly.

It is around the \$150,000,000 jointly supplied by the National Government and the several States, half and half, that this enormous attention to the arteries of communication of the entire country will revolve. The roads receiving the joint attention of Federal and State authorities undoubtedly will serve as example highways for the work which will range from the big trunk lines down to the little road reaching the farmers "way back on the hill."

Texas receives the largest amount of all of the States, \$4,515,750; Indiana is generously treated in receiving \$2,100,000; while Georgia gets \$2,079,750, and South Carolina does fairly well, \$1,111,500.

Thus, it will be seen that before \$9,816,000 of the Federal \$75,000,000 is expended, four States must centralize their highway labors.

INSULATING AND RUST-PREVENTING PAINT.

An insulating and anti-corrosion paint for steel is now being made which it is claimed is impervious to water, brine, oil, fumes and gases. This paint consists of zinc chromate and inert pigments carried in a varnish vehicle. This material is made in seven colors.

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SEALED PROPOSALS.

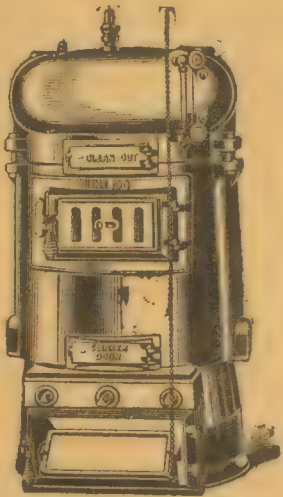
TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 1, 1916.—Sealed proposals will be opened in this office at 3 p. m. September 12, 1916, for the alterations, etc., to the building adjacent to the United States Post Office at Brooklyn, N. Y. Drawings and specifications may be obtained from the Supervising Chief Engineer, 727 Customhouse Building, New York City, from the custodian of the Brooklyn, N. Y., Post Office, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

- Artesian Wells.**
 Artesian Well Drilling Co.,
 Real Estate Trust Bldg., Phila.
 Ridpath & Potter Co.....Bourse Bldg., Phila.
 John B. Rulon.....1355 Colwyn st., Phila.
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- Brick (Face, Etc.).**
 O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
 Adolph Christensen.....1433 Brown st., Phila.
 John Gallatig447 W. Dauphin st., Phila.
- Builders.**
 James P. Farrell & Co....1619 Sansom st., Phila.
 Graham-Campion Co.....Heed Bldg., Phila.
 Hogg Construction Co., Inc.,
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 Mitchell Bros.....2125 Race st., Phila.
 Pomeroy Const. Co.....1609 Ranstead st., Phila.
- Builders' Iron Work.**
 James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
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 David France Co.,
 Tasker st. wharf Delaware River, Phila.
- Cement.**
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- Fireproofing.**
 Pearce Fireproof Co.....1345 Arch st., Phila.
- Flooring.**
 Frank C. Gillingham & Son Co.,
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 American and Dauphin sts., Phila.
- Furnaces and Ranges.**
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 Abram Cox Stove Co.,
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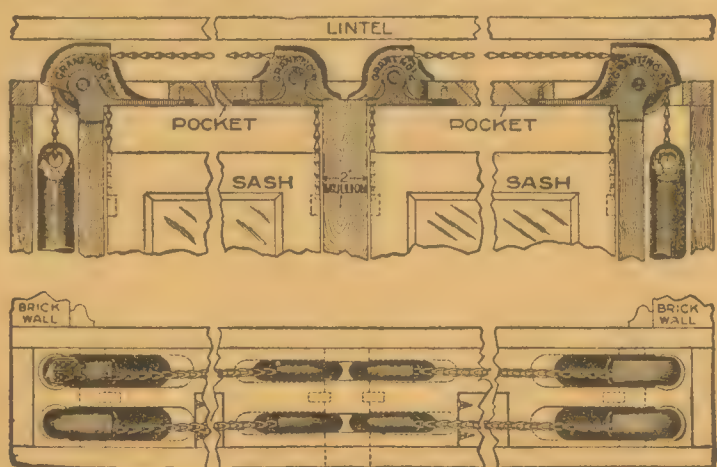
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Vol. XXXI., No. 34.

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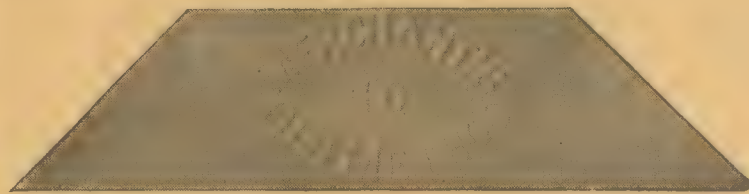
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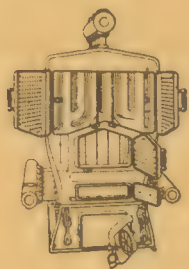


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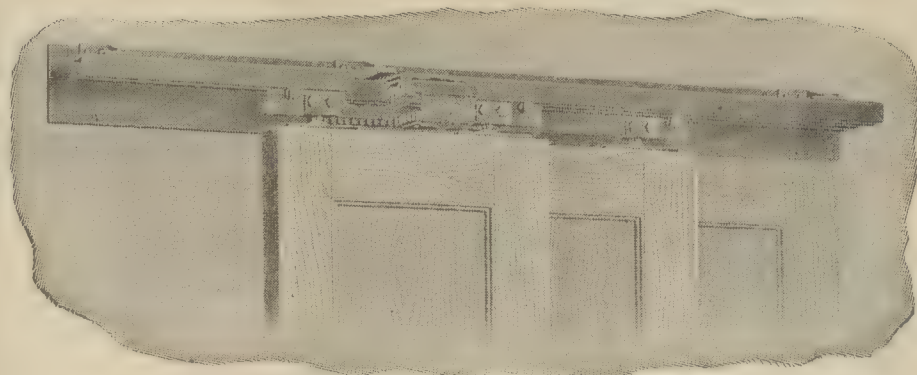
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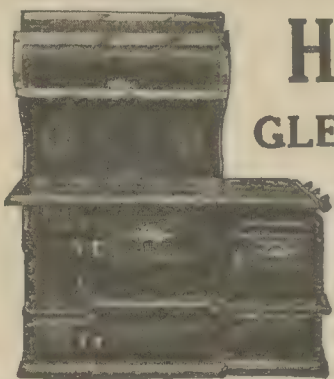
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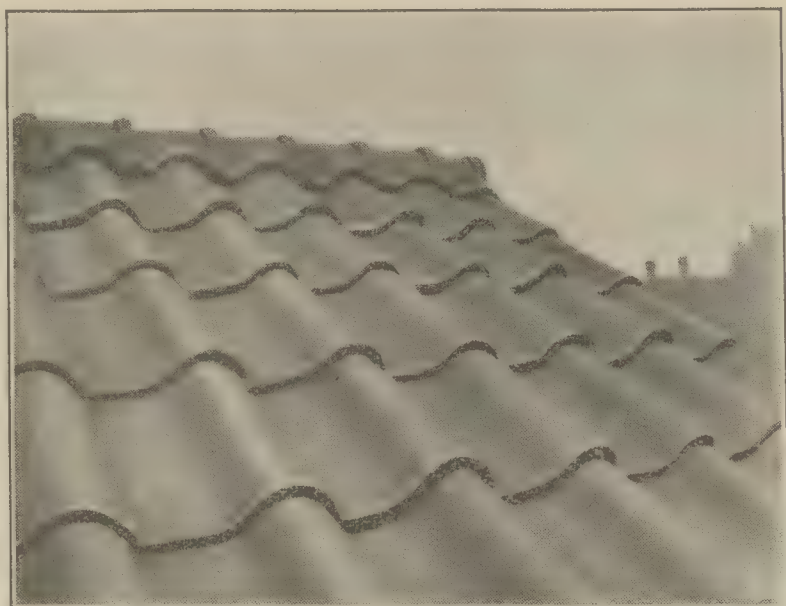
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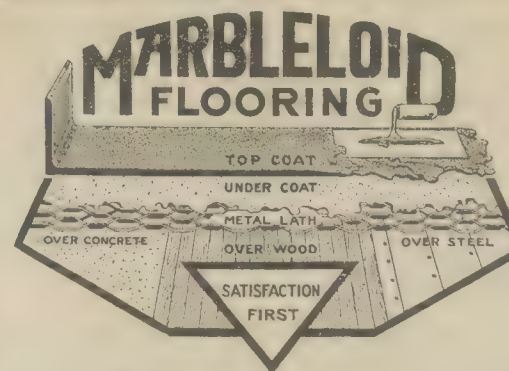


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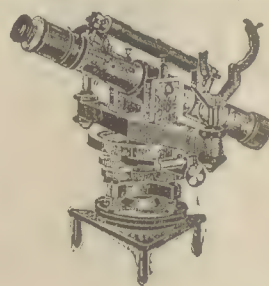
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
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VOLUME XXXI
Number 34

PHILADELPHIA
August 23, 1916



As The Editor Sees It



Gas Company and Architect.

THE Third Mid-year Conference of the National Commercial Gas Association was made notable by an address by Mr. D. Kinckerbacker Boyd, of this city, on "How the Gas Company and the Architect Can Co-operate to the Best Advantage."

Mr. Boyd's address was listened to with marked attention by the gas men and was greeted with the heartiest approval. It enabled the illuminating experts to see the gas question for the first time from the viewpoint of the busy, practicing architect.

"I naturally approach this subject of co-operation," said Mr. Boyd, "from the standpoint of the architect and will suggest to you what you may do to assist us, leaving it to those members of your Association who take part in the discussion to tell us in what respect the architects may assist you in accomplishing the results for which we are both aiming: the service of the public."

"Architects, unfortunately, are not familiar with all that you have been doing in the rendering of service to the owners and occupants of buildings. This is largely because you have not informed them. It can be said at the outset that architects ought to welcome your co-operation in securing for the owners of buildings and all occupants the fullest return for the investment and the greatest amount of comfort and convenience."

"It is true, however, that large buildings, and other kinds also, have been erected without provision for gas. My feeling is that the architects and owners of these buildings have done themselves an injustice, due, I should say, to a lack of foresight and of knowledge of the diversified uses to which gas may be put."

"You must not overlook the fact that

your commodity is but one of a countless number of mediums with which an architect must deal in order to render a building completely ready for occupancy. About each of these he must know something—often, a great deal. Do you realize what a task this imposes? While we all appear anxious to co-operate in rendering fullest service to the occupants of buildings, the very first thing which you could do in this direction is to make our task lighter by furnishing us with information in regard to the installations necessary to make your product available for every possible use.

"This is the age of co-operation and of nationalization. You represent a great national industry and you ask our co-operation in utilizing its products to the greatest advantage of all. It ought to be very simple. We agree to co-operate and we ask you to furnish the information."

"Before I suggest ways in which I feel that you can assist us, individually and collectively, I ought, perhaps, to tell you of some of the practical activities of the American Institute of Architects."

"For years the Committee on Contracts and Specifications has been working to perfect the general conditions of specifications and to standardize other documents affecting the relations of architects, owners and contractors, and finally, with the active co-operation of the National Association of Builders' Exchanges and other organizations, adopted the "Standard Documents," which are enthusiastically hailed by all parties interested as a great step in the right direction."

* * *

Work of American Institute.

SOME years ago the Institute had a committee to confer with the National Association of Steam and

Hot Water Fitters, which held several conferences, resulting, besides a better understanding, in a recommendation that contracts for these branches and for plumbing and electrical work be entered into independent of the building contract.

"The Institute now has a special committee appointed at the request of the U. S. Bureau of Standards to confer with its engineers in the preparation of a National Gas Safety Code. Your Association, the American Gas Institute and other interested bodies, are co-operating with the government in this painstaking work."

"The Institute also has an active Committee on Fire Prevention, with Mr. Julius Franke, also a member of the National Gas Safety Code Committee, at its head."

"The Institute's interest in practical matters so vitally affecting the practice of the profession and so long overlooked, has finally culminated in the creation of a Committee on Materials and Methods, the formation of which was authorized only month before last at a meeting in Cincinnati. Professor Thomas Nolan, of the University of Pennsylvania, has been appointed chairman and is to recommend for appointment sub-committees in all the chapters of the country."

"So you will note that we are, through our own national body, lacking neither in organization nor interest in matters where it is possible for us to co-operate with other bodies in any manner such as this paper may suggest."

"And with you our interests coincide, for you cannot give full service in the utilization of your product unless we, representing the best interests of our client, furnish him with every known means for its consumption and use under the most efficient and economical conditions of installation."

**DRAWING
MATERIALS**

CHARLES H. ROBBINS, JR.

125 S. 11th Street, Philadelphia
BELL PHONE, WALNUT 1086 KEYSTONE PHONE, MAIN 497

**BLUE
PRINTS**

Standard Piping Schedule.

ANATIONAL Basic Code with a piping schedule of minimum standards for sizes, lengths and weights would, therefore, work to the great advantage of all good master plumbers and contractors who would be enabled to estimate under stable and equable conditions and to install their work without being at the mercy of varying individual judgment to "proper sizes," etc.

"The piping schedule which your Association has this year adopted and has, so to speak, publicly registered in Sweet's Catalogue, is an important step in the right direction. I feel very much honored to have had, as the Consulting Architect on Sweet's Catalogue Service, a hand in its preparation and I hope that it may be taken up and criticised by the American Gas Institute, the American Institute of Architects and all other interested bodies, and later adopted. But even as it is, if put to use by all architects and others to whom it is in this manner made available, it will be of incalculable assistance and value, for it may now be written into specifications somewhat in this fashion (and I ask you to compare this with the conjectural, haphazard form before mentioned):

"This building is to be piped throughout for gas, to the openings and in the manner indicated on drawings, all piping to be in accordance with the Standard Piping Schedule and accompanying description of the National Commercial Gas Association, as printed on pages 1290 and 1291 of Sweet's Architectural Catalogue, 11th Edition, except in so far as any statutes or locality ordinances or rules of company supplying gas may change same, in which case the specifications as so changed shall be followed and they, together with all materials and workmanship, shall also be subject to approval of the architect. All piping shall be subject to the tests and approval of local inspectors having jurisdiction, or to the approval of the architect or his representative if there is no local company in the field.' Then should follow provision for the companies' service and connections to meters, or meter, etc., and, of course, the pipes and other materials should be mentioned by name. By following your standards as rapidly as developed, architects can assist you in their adoption.

"In connection with your piping schedule, or basic requirements, emphasis should be laid on the weight and quality of the pipe and fittings and of the methods of making threaded joints permanently tight, etc. These requirements should be incorporated as soon as may be, and, if it is within the range of possibility, you should, it seems to me, make

some arrangements for the testing of pipe and appliances and the issuing of labels similar to those included within the service of the Underwriters' Laboratories, Incorporated. Many of these matters will be covered by the U. S. Bureau of Standards in its National Gas Safety Code, but it will take a long time to perfect that code. Do not wait for the Government to do this, but rather assist it by adopting your own code first and let the Government have it as a basis to work upon and perfect as it is doing, I understand, with the National Electrical Code."

* * *

The Province of the Architect.

THE province of the architect is an old story, but while owners still live unwise enough to imagine that dispensing with the services of the architect is an economy there will always remain something to be said under this head:

"The duties and responsibilities of the architect, the part that he plays in the planning and erection of buildings, is a matter that is far from understood by owners and business men," says *The Building Review*, of New Orleans.

"It is common opinion that the employment of an architect necessarily increases the cost of a building project, whereas his professional training and experience and familiarity with the cost of labor and building materials and his ability to plan economically will save the owner the cost of his services beside giving him the artistic, convenient structure that he would not otherwise have.

"Architecture is a precise profession and correct planning is based on a knowledge of the scientific and accurate use of standard building materials. The architect will so design his building that waste will be eliminated and all parts will be so disposed that each will do the work it is expected to do economically and efficiently.

"Mediocre ability or lack of expert advice—in other words doing without an architect—will work just the opposite and the results will be proportionately commonplace if not disastrous.

"One of the architect's prime functions is to look after the interests of the owner. Without an architect who is to do this?

"Some owners imagine that they can attend to all this themselves as well as any architect.

"But the consequences are invariably the same. The owner fails to get the sort of building he hoped for and expected; the contractor gets unfair and unjust treatment and the fruits of the undertaking are dissatisfaction all around.

"The old maxim to the effect that the man who is his own lawyer has a fool for a client applies no less accurately to the profession of architecture, or, for that matter, to any profession which requires years of special training and subsequent experience to master."

The Philadelphia Plan.

MR. BOYD was careful to mention the fact that the difficulties referred to were not to be found in every section. In Philadelphia, for example, the United Gas Improvement Company has a form of specification that is in general use among architects and that relieves them of much of the detail associated with gas installations.

"Having made several recommendations concerning information," concluded Mr. Boyd, "let me offer one other suggestion, which I do in closing. At the same time I want to compliment you upon the excellent courses of instruction which you are conducting through your Association among gas company employees. It indicates a fine spirit and is typical of the modern ideal of service. But can you not go further and in that way still better co-operate with the architects? Can you not have a special or a post-graduate course to turn out consulting gas engineers? Can you not offer to the architects a companion to the electrical engineer—one whom architects may employ in the same capacity and on the same basis to develop gas installations—without affiliations with any one company? Or can you not use some means to encourage on the part of the consulting engineers who now lay out electrical installations a knowledge and appreciation of the value and advantage of gas installations for light, fuel and power, so that they, too, may co-operate with the rest of us? With that thought I conclude my paper, thanking you greatly for the opportunity you have given me to present it and expressing the hope that the discussion which may follow will bring us at least one step nearer to that co-operation which will help not only the architects and the gas companies, but the owners and occupants of all buildings erected and to be erected in this country."

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

EDITORIAL NOTES

New York architects and realty men seem to be divided regarding the wisdom of the new zoning resolution. Those who favor the idea speak enthusiastically of the growth the city is due to take in beauty and symmetry as a result of the new restrictive policy. Those opposed to it are as gloomy in their predictions that it will seriously arrest the city's development and depreciate existing values.

* * *

The Ninth Annual Convention of the National Association of Building Owners and Managers, will be held at St. Louis on September 12 to 15. President Doty is using every effort to obtain a strong programme, and judging from the acceptances already received there is every likelihood that the convention will be a success.

David Whitcomb, of Seattle, will speak upon "The Relation of City Real Estate to the Government." Mr. Whitcomb became prominently identified with the association about four years ago when the convention was held at Seattle.

Albert Kern, Manager of the Dime Savings Bank and Ford Buildings, at Detroit, will take for his subject "Nestors," dealing with the pioneers in the field and what they have accomplished.

William Marshall Ellis, will take the subject, "Important Factors in the Success of an Office Building" as his text.

* * *

Instead of structural steel declining in price as the summer advanced, the contrary has occurred, and builders to whom the steel is the determining factor are confronted by the alternative of either paying the new price for a slow delivery or putting farther off their contemplated operations. Steel mills are still overborne with orders, if not for munitions, then for the raw materials from which munitions are made, besides a large and varied accumulation of domestic business.

* * *

A New York hotel, the Bossert, has fitted its roof garden to resemble the deck of a palatial yacht. Deck chairs, cabin accommodations, ship's bell and a huge smoke stack add to the illusion. The waiters are attired as stewards and sailors. The effect is said to be highly attractive.

* * *

D. Knickerbacker Boyd, whose address at the recent Gas Conference is the subject of editorial reference in this number of THE GUIDE, made an address before the National Association of Master Steam and Hot Water Fitters, re-

cently, on the subject of "The Relations Between the Architect and the Master Steam Fitter."

* * *

The two chief causes of labor shortage are the much greater volume of work that is to be done and the lack of normal immigration. As has been noted before in these columns, the shortage of immigration has a cumulative effect. Normally there is a steady flow of immigration, and the immigrants are absorbed in industry as they arrive. Each year that the immigration is abnormally light adds, therefore, to the shortage. The present shortage has now been accumulating for two years.

* * *

Plans for new buildings filed with the New York City Bureau of Buildings during July called for an estimated expenditure of \$45,472,250, compared with \$16,126,500 in June, \$16,963,600 in May and only \$7,028,700 in April.

* * *

Tests to determine the action of concrete and reinforcing steel in floor slabs of the flat slab type of building construction have been made by the Engineering Experiment Station of the University of Illinois on the Shredded Wheat Factory at Niagara Falls, N. Y., the Soo Line Freight Terminal at Chicago, the Schulze Baking Company Building at Chicago, the Curtis-Leger Company Building at Chicago, and a special test structure at Worcester, Mass.

The methods employed and the results are given in Bulletin No. 84 of the Engineering Experiment Station by Professor A. N. Talbot, and W. A. Slater. The data obtained have been analyzed with the result that many new facts of interest and importance to designers and builders of concrete flat slabs structure have been developed.

Copies of Bulletin No. 84 may be obtained from W. F. M. Goss, Director, Engineering Experiment Station, Urbana, Illinois.

* * *

Mr. Cass Gilbert received the honorary degree of Doctor of Laws at the last commencement exercises of the University of Michigan.

* * *

Those employees of the Joseph Dixon Crucible Co., who had joined the National Guard prior to its being called by the President and subsequently sworn into the Federal Service in June, 1916, will receive full pay while away doing military duty. These men will have their places kept open for them. This provi-

sion holds good until further announcement holds good until future developments make it necessary to change or modify it.

* * *

The adoption of technical specifications for the lumber to be used in buildings in the State of Illinois, will, through the co-operation of the manufacturer in branding his timber, in future give an owner of a building an assurance never before possible that his new structure will be fitted to stand the requirements of his industry, and will, when the specifications of architects are properly prepared, guarantee that the building will be erected with the proper quality of material.

The nature of the specifications is extremely technical. When the architect wants a specific quality of lumber for a building, for instance, requiring maximum durability and strength, he will specify the use of timber of a special grade, and the manufacturer's brand on this timber will guarantee to the architect that he is giving his client an adequate quality of timber.

The specifications are of interest to owners of buildings, for they will prevent the substitution of inferior lumber.

The form of specifications as adopted by the Illinois Society of Architects may be obtained from the National Lumber Manufacturers' Association, Chicago, Ill.

Small ideas, small methods, small men are becoming antiquated. This is the day of the broad outlook and big doings.

BUILDERS' GUIDE

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"HE THAT IS FOND OF BUILDING"

A Little Article on the Trials and Tribulations That Beset the Man Who, Wanting in Experience, Attempts the Feat of Getting Him a Home Built Within the Estimate.

By Noble Foster Hoggson.

"He that is fond of building will soon ruin himself without the help of enemies," was the confident declaration of Plutarch, while Kett, who proves himself to have been an ardent preparedness advocate, cautioned: "Never build after you are five-and-forty; have five years' income in hand before you lay a brick, and always calculate the expense at double the estimate." Good advice, or bad?

Philosophers and jokesmiths of all ages have had their various says about the man who puts his trust in fate, leaves his safe open and plunges blindly or other wise into a building operation. To-day in the comic weeklies and in the dailies his troubles are made light of and he is as prolific a source of cheerful ridicule as a certain justly well-known make of motor car.

A thing is tragic or humorous according to the point of view. The man who sits on a tack does not share the onlookers' amusement. In fact, he is not only pained at his own misfortune, but he is pained because he occasioned someone else to find a degree of pleasure at his unseemly plight. Now it is perfectly safe to make this positive statement in this connection: The person who witnessed the other's unfortunate encounter with the tack, never deliberately sits on the same tack himself; in fact, he is particularly cautious about sitting down anywhere soon thereafter without looking for a tack. Nor is this an indictment of tacks. Tacks serve a very real and useful purpose in this world, but they have their place, which is not in localities where they may be sat upon.

Now let us apply the principles of the tack episode to building. The man did not sit on a tack. He built a house or a skyscraper or a garage—it does not matter much—and when he finished, he discovered among other things that he was called upon to pay a great deal more money for the completed product than he had expected to pay. He had come in contact with a pretty big tack, and, for people who find amusement in such things, he presented a most ludicrous figure, a subject for much hilarious laughter. He told about his experience and he wrote about it, but he could not produce the tack to prove his case, so the people who laughed at him did not profit by his lesson, and they went about building in the same way he did. They regarded his warnings as a "Wet Paint" sign. They had to rub their fingers upon the painted surface to see if it had not really dried and the sign left on as a sort of April Fool joke.

It narrows down in the final analysis to a matter of ego. The man who intends to build

will not take heed of the man who has had an unfortunate experience in building, because he feels that he is shrewd enough to look after his own interests and safeguard his own rights, notwithstanding the fact that he is engaging for the time being in a business enterprise that is totally foreign to him. Benjamin A. Howes, in his book on "Building," recounts a typical case:

"Once upon a time there was a famous author who wanted to build a house—to build a home, as the real estate advertisements put it. He had plans drawn by an architect and got bids for its construction in permanent and fireproof material. 'But that's half as much again as I have allowed!' he cried. So it was decided to build in cheaper construction and 'by day's labor,' with the direct supervision of the author's family, thus saving the contractor's profit. When the house was finished—and it was very attractive, even though it would never be a family homestead, because it would hardly last long enough for that—and the famous author was happily ensconced, he was asked: 'And was the house built for your original allowance?' 'Half of it was!' replied the famous author."

When a man sets out to buy a five-cent loaf of bread he gets a loaf of bread for five cents. When he sets out to build a residence for twenty-five thousand dollars there are no good reasons why he should not be able to build it for that amount.

The man who is going to build should definitely know two things:

First. Exactly what he is going to get for the price he expects to pay.

Second. The outside limit of cost for the completed structure.

To demand these safeguards is perfectly fair and natural. In every phase of business to-day, except building, one knows in advance just what the cost of any specified piece of work will be.

In a building operation, as ordinarily conducted, no one participant is in a position to guarantee the work of all participants. The responsibility of the various contractors who execute different portions of the work is individual; the responsibility of each ends with the completion of his particular part; no one of them is in a position to guarantee anything beyond his own share or detail of the whole operation.

Usually the owner proceeds without adequate guarantee of the limit of cost; he does not protect himself against errors in plans, specifications and estimates. If the discovery of errors necessitates extra charge later, he must pay them; if such errors go undetected

his building may be defective and he may suffer from its diminished equity and earning power; if the plans and specifications are slighted in execution, if mismanagement occurs, if the building is not ready to earn income when expected, he must suffer loss.

A watch, an automobile, an engine or a printing press consist of hundreds of parts, assembled, adjusted and harmonized, by a single responsibility, to produce the finest unit, the maximum of effectiveness in every phase at the minimum of cost. It is the same with a building. All the separate branches and processes of a building operation require similar assembling, adjustment and harmonizing. A building is to be considered a building, in its truest sense, only when it is complete in every detail, ready for occupancy, in perfect order to answer all the needs, and to fulfill perfectly the purposes for which it was designed. A building operation may be considered successful when seven essential elements join to that end, in perfect harmony. The all-important units which combine to constitute the total of a magic seven, are arrangement, decoration and furnishing, appearance, cost, stability, speed, service. The making of the architectural plans is merely the first step, the construction is second; equipment, decorating and furnishing, other steps or processes. All are elements in the final unity. They must be considered together in the beginning, prior to the time of actual work.

Nothing concerning a contemplated building should be definitely decided until all things concerning it are ready for decision. To prevent excessive expenditure on one part, and inadequate expenditure on another, work should not be begun until all features are brought into proper relation.

BUILDERS' ACID.

Builders' acid, which is equal parts of muriatic acid and water, will remove spots of mortar on brick or stone work, but is not the right material for cleaning stone that is begrimed from smoke and dirt. To accomplish this, apply to the surface, with a long-handled fibre brush, strong solution of caustic soda or pearl ash. Let it remain on for about fifteen minutes, then wash several times with clear water, using a stiff brush or broom for the purpose. If this will not be effective enough, scrub the stone with a stiff fibre brush, using soft soap and concentrated lye and sand, allowing this to remain on the stone until nearly dry, then rinse with clear water, using a brush to remove the cleansing material.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store and Apartments (remodeling), 240-242 South Eleventh street. Architect, Otto C. Wolf, Denckla Building, Philadelphia. Owner, Tony Kayser, 238 South Eleventh street, Philadelphia. Brick, 3 stories, 25x100 feet, slag roof, steam heating, electric lighting, tile work, parquet and reinforced concrete floors. Architect taking bids, due August 3rd at noon sharp. The following are figuring: A. R. Raff Contracting Co., 1635 Thompson street; F. W. Van Loon, 1233 Cherry street; F. A. Havens Co., 845 North Nineteenth street; H. C. Dahl, 231 South Eighth street; Thomas Little & Son, 1713 Moravian street, and Chas. Fisher, Mervine street and Erie avenue.

Store and Apartments (alts. and add.), southeast corner of Broad and Poplar streets. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick, 3 stories, 24x60 feet, slag roof, steam heating, electric lighting, tile work. Architect taking bids, due August 22nd. The following are figuring: Warren, Moore & Co., Commercial Trust Building; F. A. Havens & Co., 845 North Nineteenth street; E. J. Kreitzburg, 1345 Arch street; D. Henwood, 1509 Wood street; P. J. Hurley, 1233 Cherry street.

Residence (alt. and add.), 1635 Spruce street, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Joseph R. Wainwright, 505 Chestnut street, Philadelphia. Brick, 3 stories addition, 15x22 feet, slag roof, wire lath, dumb waiter, damp-proofing, electric lighting, tile work. Architects taking bids, due August 25th. The following are figuring: Graham-Campion Co., Heed Building; J. C. Driscoll, Weightman Building; J. H. Tighe Co., 245 North Eleventh street; J. Morris Daniels, 252 S. Juniper street; Freund Contracting Co., Bulletin Building.

Garage, 108 Gowen avenue, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, T. Y. Olson, on premises. Stone, 2 stories, 20x20 feet, composition roof, hot water heating, electric lighting. Plans in progress.

Arsenal Building, Frankford, Philadelphia. Architect, private plans. Owners, United States Government, Lieutenant George Montgomery, Frankford Arsenal, Philadelphia. Consists of 1½ stories and basement and attic extension of fuse building, 204x102 feet, concrete and brick; 1 story metal storehouse building, brick, 192x43 feet, and 1 story and basement extension of artillery ammunition storehouse, brick and concrete, 118x48 feet, slate roofs, steel sash, kalamein doors, ventilators, composition, concrete and wood floors, fire escapes, tile work, concrete work. Owners taking bids, due August 31st. In addition to those previously reported, Monaghan & Losse, Inc., 3016 Chestnut street, Philadelphia, are figuring.

Club House (alts.), 310 and 312 Catharine street. Architects, the Hoffman Co., Finance Building, Philadelphia. Owners, Hebrew Literature Society, on premises. Brick and terra cotta, 3 stories, metal lath, fire doors, tile work, vacuum heating, electric lighting. Architects taking bids, due August 22nd. The following are figuring: Hogg Construction Co., 1634 Sansom street; Smith-Hardican Co., 1606 Cherry street; Freund-Siedenbach Co., Bulletin Building; Frank G. Stewart, 1619

Sansom street; Ketcham & McQuade, 1029 Brown street.

Residence (alts.), 1412 Diamond street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Dr. C. J. Stamm, on premises. Brick, 3 stories, consists of interior alterations and new porch, tin roof. Architect taking bids, due August 21st. Smith-Hardican Co., 1606 Cherry street, is figuring.

Residences (66), Ruscomb street, between Second and Third streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. C. Bredo, 1221 Arch street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roofs, hot water heating, electric lighting. Plans completed. Owner will take sub-bids on all lines.

Residence and Garage, Overbrook, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, George S. Munson, 715 Walnut street, Philadelphia. Brick, 2½ stories, 77x33 feet, shingle roof, oak floors, tile work (heating, plumbing and electric work separate bids). Architects taking bids, due August 22nd. Wills, Ludwick Co., 34 South Seventeenth street, and Wm. R. Dougherty, 1610 Sansom street, Philadelphia, are figuring.

Intake and Outlet House, Torresdale, Philadelphia. Owners, City of Philadelphia, Department of Public Works. Brick, granite, concrete and terra cotta, 1 story, 74x24 feet and 35x26 feet, slag and slate roof, steel doors, steel sash, proposal bond. Lowest bidders, McCloskey & Bahls, \$19,677, and W. W. Anstine & Co., \$19,900.

Fire House (alt. and add.), 6210 Ridge avenue, Philadelphia. Architect, Louis A. Maire, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Philadelphia. Consists of interior alterations, stone and brick, slag roof, tile and marble work, metal lath, hardwood and mineral floors, new partitions. Lowest bid submitted by E. F. Fonder, Land Title Building, \$23,400.

Store Building, 330 North Fifteenth street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner's name withheld. Brick, 2 stories, 14x60 feet, slag roof, steam heating, electric lighting. Architect taking bids, due August 23rd at noon. The following are figuring: P. J. Hurley, 1233 Cherry street; Abel Bottoms & Sons Co., 3611 Walnut street; E. J. Kreitzburg, 1335 Arch street; Smith-Hardican Co., 1606 Cherry street, and D. Henwood, 1509 Wood street, Philadelphia.

Residences (46), Marshall and Cayuga sts., Philadelphia. Owner, James S. Larzelere, 245 West Wyoming street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hot water heating, combination lighting, hardwood floors. Work about to be started.

Stores and Apartments (6), Broad and Louden streets, \$48,000. Architect, private plans. Owner, Louis Dennis, 2227 South Seventh street, Philadelphia. Brick, 3 stories, 18x80 feet, slag roof; hot water heating, combination lighting, hardwood floors, tile baths. Plans completed. Owner taking sub-bids on all lines.

Intercepting Sewer, Frankford Creek, north of Lycoming street. Owners, City of Philadelphia, Department of Public Works, Water Department, George E. Datesman, Director, City Hall. Terra cotta piping and concrete

work. Owners will take bids, due August 31st at noon, Room 216, City Hall.

Residence, Overbrook, Philadelphia. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Morris Estate, Overbrook, Philadelphia. Stone, 2½ stories, 41x26 feet; wing 18x18 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architects will take bids in a few days.

Residence and Garage, Overbrook, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, George S. Munson, 715 Walnut street, Philadelphia. Brick, 2½ stories, 77x33 feet, shingle roof, oak floors, tile work (heating, plumbing and electric lighting separate bids). Architect taking bids, due August 22nd. In addition to those previously reported, E. J. Hedden, Finance Building; J. Sims Wilson Co., 1125 Brown street; Milton W. Young, Overbrook, Pa., and Charles C. Pace, Merion, Pa., are figuring.

Residence, Wissahickon avenue, between Cliveden and Upsal streets. Architects, Laurence Vischer Boyd, Harrison Building, Philadelphia. Owner, J. Morgan Lister, 5612 Germantown avenue, Philadelphia. Stone and brick, 3 stories, 60x30 feet; wing 20x30 feet, shingle roof, hot water heating, tile work, hardwood floors, electric lighting. Architect taking bids, due August 28th. The following are figuring: Wills-Ludwick Co., 36 South Seventeenth street; Sutton & Stephenson, 1317 Washington avenue; Specht & Sperry, Heed Building; Wm. R. Dougherty, 1610 Sansom street; I. A. Dunkelberger, 71 East Herman street, and Charles Johnson, 5701 Boyer street, Philadelphia.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Church (alt. to Dance Hall), corner Franklin and Columbia avenue. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Keel & Abel, 1635 North Marshall street, Philadelphia. Consists of interior alterations, hot water heating, maple flooring, electric lighting, marble stairways, electric clock tower 6 feet in diameter. Contract awarded to Jacob M. Copeland, 1645 North Eighth street, Philadelphia.

Store Building, 810 North Broad street, Philadelphia, \$15,000. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owners, R. A. Heymann & Bro., Widener Building, Philadelphia. Lessees, Empire Rubber and Tire Co., 322 North Broad street, Philadelphia. Brick and terra cotta, 4 stories, 20x160 feet, slag roof, steam heating, electric lighting, fire doors, elevator, metal lath. Contract awarded to I. T. Shoemaker, 1324 Walnut street, Philadelphia.

Factory Building, Darien and Noble streets, Philadelphia. Engineer, David I. Davis, Westminster Building, Chicago, Ill. Owner, John Morrell & Co., 418 Newmarket street, Philadelphia. Brick and reinforced concrete, 3 stories and basement, 126x50 feet, composition roof, brick floors, reinforced concrete floors, tile work, ventilators, fire doors, fireproofing, stone work. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Bank and Office Building, 20 and 22 South Fifteenth street, Philadelphia, \$300,000. Architects, De Armond, Ashmead & Bickley, 1520 Walnut street. Engineers, the Schofield Eng. Co., Commercial Trust Building, Philadelphia. Owners, the Franklin Trust Co., Fifteenth and Market streets, Philadelphia. Brick, stone, terra cotta, concrete and steel, 10 stories, 44x94 feet, slag roof, metal lath (plumbing, heat-

ing, electric work and elevators separate bids). Contract awarded to Nickson-Dugan Const. Co., Bailey Building, Philadelphia.

Bottling House, 921 and 923 North Fifth street, Philadelphia, \$50,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, John J. Wolf, 927 North Fifth street, Philadelphia. Brick, terra cotta, steel and concrete, 2 stories, 35x133 feet, slag roof, electric lighting, metal sash. Contract awarded to P. Haibach Const. Co., Twenty-sixth and Thompson streets.

Power House, Reed street yards, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick and terra cotta, 1 story, 30x86 feet and 15x20 feet, slag roof, steel sash, roof ventilators, fire doors. Contract awarded to Roydhouse-Arey Co., Fidelity Building, Philadelphia.

Machine Shops, Storehouse and Offices, 946 to 962 North Front street. Architect, private plans. Owners, Espoir Realty Co. (H. B. Pancoast & Co.), 243 South Third street. Brick and steel, 1 and 2 stories, 49x247 feet, cement tile and composition roofs, steam heating, electric lighting, metal lath, fire doors. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street, Philadelphia.

Warehouse (alts.), Third and Pine streets, Philadelphia, \$10,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Monarch Machinery Co., 249 North Third street, Philadelphia. Consists of general remodeling present bank building to warehouse, new floors, doors, etc. Contract awarded to Jacob Myers & Sons Co., Witherpoon Building, Philadelphia.

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BUILDING LUMBER

Residence (alt.), 1926 Pine street, Philadelphia, \$5,000. Architect, private plans. Owner, Lewis Neilson, 1926 Pine street, Philadelphia. Consists of interior alterations, painting, hardwood floors, walls, etc. Contract awarded to Loos & Dohard, Commercial Trust Building, Philadelphia.

Residence and Garage, Rising Sun and Gen-

eva avenues, \$20,000. Architects, Simon & Bassett, 1114 Chestnut street, Philadelphia. Owner, Wm. H. Margerison, Jasper and Huntingdon streets. Brick and plaster, 2½ stories, 30x50 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Alfred Steinhäuser, 5524 North Fifth street.

PENNSYLVANIA Construction News

Residences and Garages (2), Twenty-first and Chestnut streets, Chester, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Robert Wetherill, Chester, Pa. Stone and hollow tile, 2 stories, slate roofs, hot water heating, tile work, hardwood floors, electric lighting. Plans in progress.

Silk Mill, Scranton, Pa., \$35,000. Architect, Frank J. Miller, Scranton, Pa. Owner's name withheld. Brick and steel, 2½ stories, 55x300 feet, Barrett roof, steam heating, electric lighting, reinforced concrete floors, elevators, dumb waiters, fire doors, ventilators, metal sash, waterproofing and dampproofing, sprinkler system. Architect taking bids. The following are figuring: Sykes & Son, Peter Stipp, M. L. Deubler, Louis Stipp, Stender Bros. and Breig Bros., all of Scranton, Pa.

Bank Building, Quakertown, Pa., \$20,000. Architect, Wm. C. Furber, 418 Walnut street, Philadelphia. Owners, Quakertown Trust Co., J. S. Hurley, president, Quakertown, Pa. Brick and stone, 1 story, steam heating, electric lighting, tile work, banking fixtures. Plans completed. Owners ready for bids.

Garage, Wynnewood, Pa. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, Joshua L. Bailly, 1508 Walnut street, Philadelphia. Frame and shingles, 1 story, 29x22 feet, slate roof, cement and yellow pine floors, wire lath (heating and lighting reserved). Architects taking bids, due August 21st at noon. Elfret & Co., 1706 Sansom street, Philadelphia, are figuring.

Church, Langhorne, Pa. Architect, Thomas Stephen, Camden, N. J. Owners, Bethlehem A. M. E. Church, Rev. Frank Bradley. Stone, limestone trimmings, 1½ stories, 49x55 feet, slate roof, steam heating, electric lighting. Owners ready for bids.

Residence, Whitemarsh, Pa., \$40,000. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, Mrs. John J. Henry, Cherokee and Moreland streets. Stone, 2½ stories, 50x130 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Revised plans about completed. Architect will take bids in ten days.

High School (add.), Chester, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, Chester, Pa. Brick, stone, concrete and steel, 3 stories, composition roof, electric lighting, mechanical heating system, metal lath. Plans completed. Owners ready for bids.

Residence, Wyomissing, Pa. Architect, A.

A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, George Moyer, Wyomissing, Pa. Stone, 2½ stories, 46x38 feet, slate roof, vapor heating, electric lighting, reinforced concrete floors, dampproofing. Plans in progress.

Twin Residence, Reading, Pa., \$4,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, C. D. Wagner, Reading, Pa. Brick, 2½ stories, 32x34 feet, slate roof, hot air heating, combination lighting. Plans in progress.

Garage, Womelsdorf, Pa., \$10,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, George Hicks, Womelsdorf Pa. Brick 1 story, 60x150 feet, slag roof, electric lighting, concrete floors, dampproofing. Plans in progress.

Boys' Home (alt. and add.), Reading, Pa., \$17,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Boys' Home, Berks County Juvenile Court, Frank D. Miller, superintendent, Reading, Pa. Brick, 3 stories, 50x30 feet, slag roof, steam heating, electric lighting, hardwood floors, dampproofing, sewage disposal plant. Plans in progress.

Residence, Newmanstown, Pa., \$6,000. Architect, A. A. Ritcher, Sixth and Court sts., Reading, Pa. Owner, Miss Helen Trix, Newmanstown, Pa. Frame and stucco, 2½ stories, 28x44 feet, slate roof, vapor heating, electric lighting, hardwood and tile floors. Owner is taking bids.

School, Birdsboro, Pa., \$18,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, D. Hunter Watts, secretary, Birdsboro. Brick and hollow tile, 1½ stories, 91x60 feet, composition roof, hot air heating, maple floors, metal lath, fire doors, slate blackboards. Owners taking bids, due August 21st. The following are figuring: L. H. Focht & Son, Beard Const. Co., Daniel H. Hunter, J. B. Trexler, all of Reading, Pa., and Adam P. Spatz, Wernersville, Pa., and J. W. Slipp, Birdsboro, Pa.

Residence, Springfield, Pa. Architects, Frank Seeburger & C. F. Rabenold, Pennsylvania Building, Philadelphia. Owner, Frank C. Birch, 5901 Addison street, Philadelphia. Stone and plaster, 2½ stories, 27x50 feet, slate roof, hardwood floors, tile work, electric lighting, hot water heating. Plans in progress. Architects will take bids in one week.

Club House (alts. and add.), Cynwyd, Pa., \$10,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owners, the

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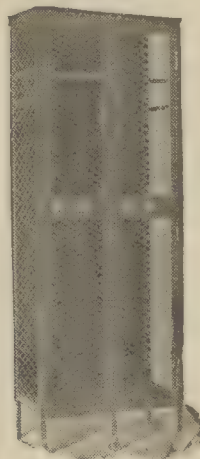


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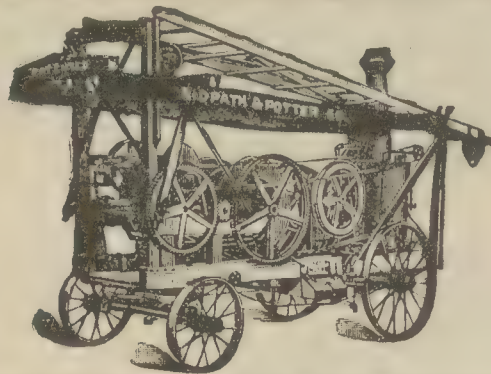
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Cynwyd Club, Cynwyd, Pa. Hollow tile, plaster, frame, 2½ stories, shingle roof (hot water heating, electric lighting reserved). Architect taking bids, due August 24th. The following are figuring: J. P. Thompson, Real Estate Trust Building; E. J. Hedden, Finance Building; James H. Wells, Heed Building; John E. Kearney, 327 North Sixty-third street; Monaghan & Losse, 3016 Chestnut street; J. Paul Emrey, 4907 Wynnefield avenue, Philadelphia; Charles C. Pace, Marion, Pa.

Bungalow, Florida Park, Delaware County, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Wm. A. Schuler, Florida Park, Pa. Frame, 1½ stories, slate roof, hot air heating, electric lighting. Plans completed. Owner is taking bids.

Residence, Brookline, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Alfred A. Straw, care of architect. Hollow tile and stucco, 2 stories, 29x45 feet, shingle roof, hot water heating, electric lighting, tile work. Plans in progress.

Cottage, West Conshohocken, Pa. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Miss Marion B. Wood, West Conshohocken, Pa. Stone, 2 stories, 34x28 feet, shingle roof, warm air heating, electric lighting. Architects taking bids, due August 23rd. The following are figuring: Wm. H. Eddleman & Sons, 453 Green lane; Wills, Ludwick & Co., 34 South Seventeenth street; J. Sims Wilson Co., 1125 Brown street; I. A. Dunkelberger, 71 East Herman street; Stokes Bros., 6723 Musgrave street; Gray Bros., Rosemont, Pa.

Knitting Mill, Womelsdorf, Pa. Architect, J. Earl Hickman, 119 South Fifth street, Reading, Pa. Owners, Vogue Knitting Co., Reading, Pa. Brick and stone, 1 story, 120x40 feet, composition roof, metal lath, roof ventilators (heating, plumbing and electric work reserved). Architect taking bids. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

Residence, Edgemont Township, Pa. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, Samuel L. Smedley, Stephen Girard Building, Philadelphia. Brick, stone and frame, 2 stories, 45x27 feet, shingle and tile roof, hot water heating, electric lighting, tile work, hardwood floors and cement floors. Architect taking bids, due August 25th at noon. Horace H. Burrell, 206 South Quince street, is figuring.

Store Building, South Main street, Wilkes-Barre, Pa. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes-Barre. Owners, Jonas Long & Sons, Wilkes-Barre, Pa.

Brick and terra cotta trim, 3 stories, 200x70 feet, Warrens roof (heating and lighting reserved), wood floors, metal lath, sprinkler system, kalamein doors, steel sash, ventilators, elevators, tile work. Architects taking bids, due August 24th. In addition to those previously reported, Metzger & Fisher, Denckla Building, Philadelphia, are figuring.

Hotel, Chester, Pa. Architect, James J. Farman, Chester, Pa. Owner's name withheld. Brick, hollow tile and terra cotta, 4 stories, 110x36 feet, slag roof, fireproof floors (heating, plumbing, electric work, tile work, elevator, fire escapes, bar fixtures reserved). Architect taking bids, due August 19th. Jas. B. Flounders, 1329 Arch street, Philadelphia, is figuring.

Post Office and Union News Stand, St. Davids, Pa. Architect, private plans. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick and stucco, 1 story, 35x22 feet, slate roof (heating and lighting and plumbing reserved), concrete and wood floors, ventilators. Owners taking bids, due August 26th at 11 A. M. In addition to those previously reported, Bailey-Lush Co., 201 North Broad street; Irwin & Leighton, 126 North Twelfth street, and Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

Church and Rectory, Lost Creek, Pa. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owners, St. Mary Magdalene's R. C. Church, Lost Creek, Pa. Brick and frame, 1 story, 48x115 feet. Rectory 2½ stories, 37x66 feet, slate roof, steam heating, electric lighting. Architect taking bids, due August 25th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street, Philadelphia; Andrew Breslin, Summit Hill, Pa.; C. Messersmith, Pottsville, Pa.; Gordon Nagle, Pottsville, Pa.; Henry Reich, Ringtown, Pa.; A. Waldner, Ashland Pa.; John O'Hearn, Shenandoah, Pa.; Beard Const. Co., Reading, Pa.

Residence, Haverford, Pa. Architects, Tilden & Register, 1713 Sansom street, Philadelphia. Owner, Robert C. Clothier, Haverford, Pa. Hollow tile and plaster, 2½ stories, 44x39 feet, shingle roof, oak floors, tile work (heating and electric work reserved). Architects has received bids.

High School, Ridley Park, Pa., \$80,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Ridley Park, Pa. Brick and terra cotta, 2 stories, 125x70 feet, slag roof, steam heating, electric lighting, metal lath, ventilators, concrete floors. Lowest bid submitted by Wills-Ludwick & Co., 34 South Seventeenth street, Philadelphia.

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PENNSYLVANIA Contracts Awarded

Garage, Whitmarsh, Pa. Architect, Louis H. Rush, 130 South Fifteenth street, Philadelphia. Owner, Mrs. John J. Henry, Cherokee and Moreland streets. Stone, 2 stories, shingle roof, electric light, hot water heat. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

Telephone Exchange (alt. and add.), Wilkes-Barre, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., 1700 Arch street, Philadelphia. Brick, stone and terra cotta, 2 stories, 154x35 feet, slag roof, steam heating, elec-

tric lighting, hollow tile partitions, metal lath, waterproofing, fire doors, metal sash, iron stairs. Contract awarded to J. Curtis & Co., 1 Hickley street, Wilkes-Barre, Pa.

Show and Repair Room, Reading, Pa., \$12,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Ammon & Kershner, American House, Reading Pa. Brick and steel, 1½ stories, 60x60 feet, slag and reinforced concrete roof, steam heating, electric lighting, reinforced concrete floors, waterproofing. Contract awarded to L. H. Focht & Son, Reading, Pa.

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NEW JERSEY Construction News

Drying Room (add.), Camden, N. J. Architect, private plans. Owners, Peerless Kid Co., Camden, N. J. Frame and galvanized iron, 1 story, 130x32 feet, galvanized iron roof, electric lighting. Owners are sub-letting all contracts.

Residences (6), 119 South Twenty-seventh street, Camden, N. J. Architect, private plans. Owners, Gelfand & Newmeyer, 2615 Westfield avenue, Camden, N. J. Brick, 2 stories, 15x46 feet, slag roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Factory, 112 North Ninth street, Camden, N. J. Architect, private plans. Owners, R. M. Hollingshead Co., Camden, N. J. Brick, 3 stories, 32x58 feet, slag roof, steam heating, electric lighting. Owners are sub-letting all contracts.

Residences (2), 1158 Kenwood avenue, Camden, N. J. Architect, private plans. Owner, John B. Kates, Collingswood, N. J. Brick, 2 stories, 15x50 feet, slag roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Residences (5), 1405 Wildwood avenue, Cam-

den, N. J. Architect, private plans. Owner, John B. Kates, Collingswood, N. J. Brick, 2 stories, 16x50 feet, slag roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Stable, Master and Viola streets, Camden, N. J. Architect, private plans. Owners, R. H. Comey Co., Camden, N. J. Brick, 1 story, 16x30 feet, ruberoid roof, electric lighting. Owners are sub-letting all contracts.

Bleach House, Master and Jefferson streets, Camden, N. J. Architect, private plans. Owners, R. H. Comey Co., Camden, N. J. Brick, 1 story, 38x101 feet, ruberoid roof, steam heating, electric lighting. Owners are sub-letting all contracts.

Bungalow, Grant avenue, West Collingswood, N. J., \$5,000. Architects, Moffett & Stewart, Inc., 30 South Third street, Camden, N. J. Owner, Mrs. Howard Fay, care of architects. Frame and stucco, 1½ stories, 30x46 feet, shingle roof, hot water heating, combination lighting, white pine floors, metal lath. Architects taking bids, due September 1st. Frank Turner, 828 Broadway, Camden; H. K.

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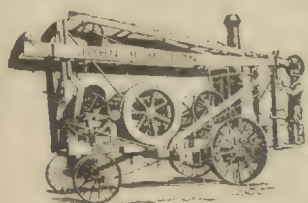
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Partridge, 507 State street, Camden; A. K. H. Doughty, Collingswood, N. J., are figuring.

Church, Wildwood, N. J. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Ann's Roman Catholic Church,

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Wildwood, N. J. Stone, 1 story, 65x145 feet, slate roof, vacuum heating, electric lighting. Plans completed. Will be ready for bids in a few days.

Residence, Riverton, N. J. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Robert Biddle, Riverton, N. J. Hollow tile and timber, 3 stories, shingle roof, electric lighting (heating not decided). Architects taking bids, due August 24th. The following are figuring: George W. Shaner, Palmyra, N. J.; George J. Watson, Riverton, N. J.; Joseph H. Smith, Riverton, N. J.; Thomas Seeds, Jr., 1207 Race street, Philadelphia.

School, Clementon Heights, N. J. Architect, Thomas Stephen, Camden, N. J. Owners, Board of Education, Clementon Township, Camden County, George W. Mayberry, chairman, Laurel Springs, N. J. Frame, 1 story, 49x34 feet, shingle roof, hot air heating, Smith heating system. Plans in progress.

School (alt. and add., 4 rooms), Woodlynne, N. J., \$15,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, Board of Education, borough of Woodlynne, N. J. Brick and stone, 2 stories and basement, 60x42 feet, slag roof, steam heating, combination lighting, pine floors. Plans in progress. Will take bids in about three weeks.

School, Cream Ridge, Monmouth County, N. J., \$5,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, Board of Education, Upper Freehold Township. Brick, 1 story, 48x32 feet, slate roof, metal lath, stove ventilated heating, pine floors. Plans completed. Architects ready for bids, due September 12th.

Store and Cold Storage Warehouse, Bridgeton, N. J., \$10,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Wm. Verlisky, Bridgeton, N. J. Brick and steel, 2½ stories, 64x63 feet, slag roof, steam heat, electric lighting, composition floors. elevator, fire doors, refrigerating plant. Plans in progress.

Residence and Garage, Superintendent's Cottage, Greenhouse and Farm Building, Fairton, N. J., \$20,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Joseph Shoemaker, care of architects. Hollow tile and stucco, 2½ stories, 60x32 feet, and 1½ stories, 25x30 feet, shingle, waterproofing, electric lighting, hardwood and tile floors (heating and plumbing reserved, canvas roofing, water system. Architects taking bids, due August 24th. H. H. Hankin & Bro., George Maier & Bro., both of Bridgeton, N. J., and C. C. Cassell, Millville, N. J., are figuring.

Residence, Stratford avenue and Beach, Ventnor, N. J., \$6,000. Architect, J. Vaughn Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, J. Mathis & Son, Ventnor, N. J. Frame, 2 stories, 24x41 feet, slate roof, hot water heating, combination lighting,

tile and hardwood floors. Owners will take sub-bids on all lines.

School, Laurel Springs, N. J. Architect, J. L. Coneys, Drexel Building, Philadelphia. Owners, Board of Education, Laurel Springs, N. J. Brick, 2 stories, 62x49 feet, slate roof, metal lath, concrete floors, safety treads (heating, plumbing and electric work separate bids). Owners taking bids, due August 28th. Will, Ludwick & Co., 34 South Sixteenth street, Philadelphia, are figuring.

Trestle, Sixth and Jackson streets, Camden, N. J. Architect, private plans. Owners, Harrison Bros. (Mantua Chemical Co.), Thirty-fifth and Gray's Ferry road, Philadelphia. Steel, 293 feet long. Owners taking bids. In addition to those previously reported, H. E. Baton, Twelfth and Sansom streets; George L. Sipps, 912 Locust street, Philadelphia, and Day and Phillips, Camden, N. J., are figuring.

Store and Apartments, Atlantic City, N. J. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City. Owner, Charles Abrams, Atlantic City, N. J. Brick, 3 stories, 36x78 feet, slag roof, steam heating, electric lighting. Plans in progress.

School, Illinois avenue, Atlantic City, N. J., \$30,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City. Owners, Board of Education, Atlantic City, N. J. Reinforced concrete and brick, 4½ stories, 33x90 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, skylights. Owners have received bids.

Glass Factory, Glassboro, N. J. Architects, the De Vore-McGormley Co., Toledo, Ohio. Owners, Whitney Glass Works, Glassboro, N. J. Brick, concrete and steel, 11 story, 410x264 feet, 222x94 feet and 68x187 feet, cement tile roof, metal sash, roof ventilators, wood block floors (heating, plumbing, electric work and sewage disposal system separate bids). Architects have received bids.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted

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U.S.A.**VARNISHES, FILLERS, PAINTS,
STAINS, ENAMELS**There's beauty and durability and satisfaction for Contractor,
Architect and Owner in every brush full. Prices, samples and
literature on request.**EUGENE E. NICE, Manufacturer, PHILADELPHIA, PA. and CAMDEN, N. J.****NEW JERSEY****Contracts Awarded**

Bungalow, Merchantville, N. J. Architect, Thomas Stephen, Masonic Temple, Camden, N. J. Owner, Mrs. E. L. Volk, Merchantville, N. J. Frame and stucco, 1½ stories, 28x60 feet, asbestos or shingle roof, steam heating, electric lighting, tile floors. Contract awarded to Fred Fries & Son, Haddon Heights, N. J.

Bungalow, 1250 North Twenty-ninth street, Camden, N. J. Architect, private plans. Owner, Wm. Donaldson, Camden, N. J. Frame, 1½ stories, 22x26 feet, shingle roof, hot air heating, gas lighting. Contract awarded to Geo. K. Piper, 215 North Forty-third street, Camden, N. J.

Residence, 328 Hillside avenue, Camden, N. J. Architect, private plans. Owner, Emil Horn, Camden, N. J. Frame, 3 stories, 16x38 feet, shingle roof, hot air heating, gas light-

ing. Contract awarded to Daniel Turner, 348 Hillside avenue, Camden, N. J.

School, Illinois avenue, Atlantic City, N. J., \$22,000. Architects, Stout & Riebenack, Guarantee Trust Building. Owners, Board of Education, Atlantic City, N. J. Reinforced concrete and brick, 4½ stories, 33x90 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, skylights. Contract awarded to Wilbert S. Beaumont, Stephen Girard Building, Philadelphia.

Sewage Plant and Toilet Buildings, Burlington, N. J., \$25,000. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, United States Cast Iron Pipe Co., Burlington, N. J. Consists of sewage system and disposal plant and brick toilet buildings. Contract awarded to J. S. Rogers Co., Moorestown, N. J.

A. Fuller Co., Widener Building; Irwin & Leighton, 126 North Twelfth street; Warren, Moore Co., Commercial Trust Building; Cramp & Co., Denckla Building; F. W. Mark Const. Co., Finance Building, all of Philadelphia, Pa.; Wells Bros. Co., Riggs Building, Washington, D. C.; W. H. Fissell & Co., 1328 Broadway, and Lonaere Const. Co., 11 East Forty-second street, and John H. Parker, Co., 315 Fourth avenue, all of New York City.

Maryland**Contracts Awarded**

Church, Forsuch avenue and Independent street, Baltimore, Md., \$30,000. Architect, George R. Callis, Jr., 218 East Lexington street, Baltimore. Owners, St. Bernard's R. C. Church, care of Rev. Theo. D. Mead, on premises. Basement, 60x150 feet, stone, steam heating, electric lighting, tile work. Contract awarded to James J. O'Connor, 427 East Lexington street, Baltimore.

Residence, Broadway avenue, east of Falls road, Baltimore County, \$7,500. Architect, private plans. Owner, A. H. Hoffinger, Cockeysville, Md. Stone and shingle, 2½ stories, 30x32 feet, slate roof, hot water heating, gas lighting. Contract awarded to Dippell & Lauer, 124 North Curley street, Baltimore.

Garages, Twenty-ninth and Gilmor streets, Baltimore, \$15,000. Architect, private plans. Owners, Bailey & Bailey, 8 East Lexington street, Baltimore. Brick, 1 story, 15x20 feet each, slag roofs. Contract awarded to Reynolds & Hughes, 104 East Saratoga street, Baltimore, who are taking sub-bids.

Station, Edmondson avenue, Baltimore, Md. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station. Brick and stone, 1 story, steam heating, electric lighting, metal lath, tile work. Contract awarded to Singer-Pentz Co., Baltimore, Md.

Miscellaneous**Construction News**

Factory and Offices, Wilmington, Del., \$65,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Wilmington, Del. Brick and steel, 6 stories, 40x195 feet, slag roof, steam heating, electric lighting, fire doors, sprinkler system, iron stairs, elevators. Plans in progress. Architect will take bids in ten days.

Church, Toledo, Ohio, \$40,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Stephen's Lutheran Church, Rev. E. J. Wackernage. Stone and steel, 1½ stories, 60x104 feet, slate roof, vapor heating, electric lighting, hardwood floors, waterproofing and dampproofing. Plans in progress.

MARYLAND**Construction News**

Residence, Guilford, Md. Architect, E. L. Palmer, Munsey Building, Baltimore. Owner, Samuel T. Edel, 1217 Harford avenue, Baltimore. Brick, 2½ stories, slate roof, hot water heating, electric lighting, plumbing, tile work, hardwood floors. Plans in progress.

School (add.), Glen Burnie, Anne Arundel County, Md. Architect, H. G. Crisp, 1109 Calvert Building, Baltimore. Owner, J. Clayton Spetler, care of Wise Bros., 132 West Fayette street, Baltimore. Brick, 2 stories, 99x30 feet, slate roof, steam heating (electric work reserved), marble and cement work, dampproofing, slate blackboards. Architect taking revised bids, due August 29th. Henry S. Rippel, 7 Clay street, Baltimore, and E. E. Parkinson, Annapolis, Md., are figuring.

Store (alts.), 311 North Charles street, Baltimore, Md., \$7,000. Architects, Sparklin & Childs, Law Building, Baltimore. Owners, Auman & Werkmeister, 16 West Lexington street, Baltimore. New front, tile work, granite work, plumbing. Architect taking bids, due August 28th. The following are figuring: Henry S. Rippel, Singer-Pentz Co., Consolidated Eng. Co., Cowan Building; Blake & Engle, Price Concrete Construction Co., P. H. Frazier & Son, John Waters Building Co., and J. Wilson Richardson, all of Baltimore, Md.

Dwelling and Garage, Brooklyn, Md., \$15,000. Architect, private plans. Owner, John T. Flood, Curtis Bay, Md. Frame, 2½ stories,

slate roof, hot water heating, electric lighting, tile work, plumbing. Builder, J. H. Smith, 1426 Light street, Baltimore, is taking sub-bids.

Residence, Whitfield road, Guilford, Md. Architect, Mott B. Smith, 15 East Fortieth street, New York City. Owner, A. K. Wampole, 752 St. Peter street, Baltimore, Md. Brick, 2½ stories, slate roof, metal lath, cement and stucco work, marble tile work, waterproofing, fire doors (heating, plumbing and electric work reserved). Architect taking revised bids. Roland Park Co., Roland Park, Md., and Singer-Pentz Co., Baltimore, Md., are figuring.

Hotel, Baltimore, Md. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Southern Hotel Co., Baltimore, Md. Reinforced concrete, steel, granite and terra cotta, fireproofing, 16 stories, 92x148 feet, concrete, slag and tile roof, steam heating, electric lighting, marble floors, tile work, fire doors, metal lath, metal columns, dampproofing (heating and electric work separate bids). Architect taking bids, due August 29th. The following are figuring: Consolidated Eng. Co., Calvert Building; Singer-Pentz Co., Equitable Building; West Const. Co., American Building; Morrow Bros., Fidelity Building; Clarence E. Stubbs, Equitable Building; J. Henry Miller, Inc., Eutaw and Franklin streets; H. D. Watts Co., Garrett Building, all of Baltimore, Md.; and George

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.
DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

George Ovington (O), Fox Chase. Joseph Ashley (C), Fox Chase. Cost, \$11,500. Store, brick, 2 stories, steam heating, slag roof, 78x78 feet, Oxford avenue and Looney street.

Charles K. Rightly (O), 7036 Woodland avenue. Thomas W. Lee (C). Cost, \$135,000. Twenty-seven dwellings, brick, 2 stories, hot water heating, slag roof, 16x52 feet, South side Northeast Boulevard.

F. D. Williams (O and C), 1836 West Venango avenue. Six dwellings, brick, 2 stories, hot water heating, slag roof, 15x36 feet, Eighteenth and Pike streets.

William Pftzenmeiser (O), 2638 Buchis street. A. Silver (C), 2723 Kirkbride street. Cost, \$1,900. Garage, brick, 1 story, slag roof, 40x40 feet, Thompson and Buchis streets.

M. Maloney (O and C), 4331 Brown street. Cost, \$33,000. Thirteen dwellings, brick, 2 stories, hot water heating, slag roof, 16x39 feet, Forty-fourth and Parrish streets.

John A. Seeds (O), 716 West Upsal street. Charles Johnson (C), 5701 Boyer street. Cost, \$12,000. Dwelling, stone, 3 stories, hot water heating, slate roof, 32x55 feet, Upsal and Wissahickon avenue.

Edw. S. Vanderline (O), 3525 North Eighth street. H. E. Sweger (C), 4435 North Ueber street. Cost, \$7,000. Three dwellings, brick, 2 stories, hot water heating, slag roof, 15x29 feet, 3525-27-29 North Eighth street.

B. A. uPice (O), Sixth and Lombard streets. William Wyatt (C), 62 North Sixty-first street. Cost, \$5,500. Dwelling, brick, 3 stories, hot air heating, slag roof, 46x46 feet, 537 Lombard street.

J. Engal (O and C), 416 Liedy avenue. Cost, \$154,600. Forty-one dwellings, brick, 2 stories, steam heating, slag roof, 16x31 feet, Regent street and Edgewood street.

Shanahan & Elhot (O), 2118 Fairmount avenue. W. H. Harris (C), 2016 Brown street. Cost, \$14,000. Garage, brick, 1 story, slag roof, 21x50 feet, 2118 Fairmount avenue.

John Brooks (O and C), 1634 Porter street. Cost, \$1,200. Dwelling, brick, 2 stories, hot air heating, slag roof, 14x24 feet, 1545 South Etting street.

J. F. Prentzel (O), 3145 Diamond street. Charles L. Gum (C), 2546 North Twenty-ninth street. Cost, \$1,900. Dwelling, brick, 2 stories, slag roof, 14x17 feet, 1361 Silver street.

Charles Bregler, Jr. (O), 1120 North Fourth street. Alfred Steinhauser (C), 5424 North

Fifth street. Cost, \$3,000. Dwelling, brick, 2 stories, hot water heating, asphalt shingle roof, 16x40 feet, Collaman street.

. Marot (O), 216 ace street. Wilber Beaumont (C), 322 Stephen Girard Building. Cost, \$14,000. Factory, brick, 4 stories, slag roof, 25x25 feet, 218-20 Race street.

John Greenwood (O), Huntington street. George Kennington (C), 2435 North Hope street. Cost, \$5,200. Dyehouse, brick, 1 story, slag roof, 40x106 feet, corner of Huntington street.

Robert Barley (O), 29 North Sixty-first street. C. A. Legatis (C), 322 North Gross street. Cost, \$500. Dwelling, brick, 2 stories, slag roof, 12x12 feet, 29 North Sixty-first street.

Baer & Snyder (O), Fifteenth and Tasker streets. Smith-Hardican (C), 1606 Cherry street. Cost, \$4,000. Garage, new flush bulk, 1 story rear, 16x19 feet, Fifteenth and Tasker streets.

Monarch Machinery Co. (O), 249 North Third street. Jacob Myers Sons (C), Witherpoon Building. Cost, \$14,000. Salesroom, interior and exterior alterations, Third and Vine streets.

Walnut Garage Co. (O), 4317 Walnut street. Killen & Cormshael (C), Sixty-fifth and Girard avenue. Cost, \$9,000. Garage, brick, 1 story, steam heating, 50x125 feet, 4317-19 Walnut street.

William M. Crawn (O), Fifty-third and Gainor road. J. Paul Emery (C), 4917 Wynnefield avenue. Cost, \$9,000. Dwelling, hollow tile, 3 stories, hot water, slate roof, 40x25 feet, east side of Fifty-third street.

I. Brooks (O and C), 1634 Porter street. Cost, \$92,000. Seven dwellings, brick, 2 stories, hot air heating, slag roof, 14x24 feet, Master and Etting streets.

Philip Robin (O and C), 2320 Cambria street. Cost, \$17,500. Nine dwellings, brick, 2 stories, hot air heating, slag roof, 14x22 feet, east side of Birch street.

Charles Scully (O), 5339 Wayne avenue. William Hill (C), 5320 Wakefield street. Cost, \$4,000. Garage, 1 story, 36x50 feet, 5317 Germantown avenue.

Jacob oman (O and C), 2518 South Second street. Cost, \$52,500 and \$3,000; total, \$55,500. One store, 21 dwellings, brick, 2 stories, hot water heating, slag roof, 15x48 feet, north side of Ontario street.

street. Cost, \$2,475. Garage, brick, 1 story, slag roof, 12x18 feet, 4927 to 4947 North Sixteenth street.

M. Sussman (O), 318 Market street. S. Bennett & Son (C), 593 Drexel Building. Cost, \$2,000. Dwellings, brick, one-story addition, 14x56 feet and 14x44 feet, slag roof, 340 and 342 North Eighth street.

Hurley & Earley (O), Broad and Race sts. A. P. Frain (C), 319 Market street. Cost, \$3,000. Factory and salesroom, skylights and

alterations, Broad and Race streets.

B. O. Fmair (O), 3328 Cumberland street. E. R. Jabin & Co. (C), Sixty-third and Walnut streets. Cost, \$450. Dwelling, hot water heating apparatus, 3328 Cumberland street.

M. Rosenbaum (O), 603 South Third street. Joseph Levin Co. (C), 1030 South Sixth street. Cost, \$880. Dwelling, brick, 1 story rear, slag roof, 15x24 feet, 32216 Chestnut street.

S. Bund (O), 1766 Juniata street. Joseph Staram (C), 1827 Juniata street. Cost, \$3,140. Saloon and dwelling, brick, 2 stories, slag roof, 16x30 feet, Juniata and Wayne avenue.

L. Verstein (O), 3009 Kensington avenue. H. P. Werner (C), 3245 Germantown avenue. Cost, \$545. Store, ned flush bulks, 3009 Kensington avenue.

J. V. Antill (O), Fifth and Dauphin sts. H. P. Werner (C), 3245 Germantown avenue. Cost, \$1,600. Store, brick, 2 stories, slag roof, 24x16 feet, southeast corner Fifth and Dauphin streets.

Isadore Pennenhy (O), 2038 Philip street. Charles H. Rutherford (C), 3805 Haverford avenue. Warehouse, brick, 2 stories, rear addition, slag roof, 27x37 feet, 215-217 Snyder avenue.

J. Kockley (O), 427 Tasker street. L. M. Shestaek (C), 322 Dickinson street. Cost, \$1,500. Store and dwelling, rear bulk alterations, southeast corner Ninth and McKean streets.

R. Tarnham, Jr. (O), 7126 Cresheim road. F. H. Leonard (C), Wayne, Pa. Dwelling, brick, 1 story rear, tin roof, 10x12 feet, 7126 Cresheim road.

Penuce Co. (O), 317 Chestnut street. J. Hamison (C), 258 Huntingdon avenue. Cost, \$700. Stable, interior alterations, 716 Marshall street.

S. Sternberger (O), Tenth and Filbert sts. Freund Siedenbach (C), 307 Bulletin Building. Store, interior alterations, 827-829 Arch street.

A. H. Williams (O), 522 Walnut street. W. S. Biggard (C), 1431 West Susquehanna avenue. Cost, \$300. Factory, interior alterations, 1514 Mascher street.

M. Shaffer (O), 1111 South Second street. Joe Spector (C), 316 Mifflin street. Cost, \$600. Store and dwelling, new bulk, 1111 South Second street.

Bell Telephone Co. (O), Sixty-fourth and Woodland avenue. Horace Burrell (C), 206 South Quince street. Cost, \$6,000. Bell Telephone Exchange, Sixty-fourth and Woodland avenue, interior alterations.

John Frederick (O), Rising Sun lane and Pike street. Miller S. Good (C), 430 West Erie avenue. Stable, 2 stories, slag roof, 15x24 feet, 100 feet east of Rising Sun lane, south of PPike street.

Sam Wright (O), 2841 Aramingo avenue. A. M. Lance (C), Hamer street. Cost, \$800. Store and dwelling, new flush bulks, 2841 Aramingo avenue.

Arthur Sellemann (O), 1130 Fillmore street. C. West & Co. (C), Oxford avenue. Cost, \$1,000. Dwelling, brick, 1 story rear, tin roof, 16x16 feet, 1130 Fillmore street.

P. J. Conway (O), northeast corner Navaline street. J. Wall (C), 204 East Milton Grove avenue. Cost, \$1,300. Garage, tin roof, northeast corner Navaline street.

W. S. Baxter (O and C), 1409 Jefferson street. Cost, \$700. Kitchen, brick, 1 story, 15x17 feet.

P. Carr (O), 2711 East Somerset street. Frank Lucci (C), 1351 Christian street. Cost, \$800. Dwelling, brick, 2 stories, rear addition, slag roof, 14x20 feet, 2711 East Somerset street.

Pennsylvania Railroad Co. (O), Philadel-

Alterations and Additions

Finance Company of Pennsylvania (O), Philadelphia, Pa. Gruice Peebles Co. (C), 37 North Tenth street. Cost, \$1,00. Theatre, alterations, northeast corner of Market and Juniper streets.

Finance Company of Pennsylvania (O), Philadelphia, Pa. Gruice Peebles Co. (C), 37 North Tenth street. Cost, \$1,600. Theatre, alterations, northeast corner of Market and Juniper streets.

C. Ostraman (O and C), 2724 North Fifth

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

phia. Lincoln & Smith (C), Hale Building. Cost, \$450. Office, interior alterations, Seventeenth and Filbert streets.

Drexel Institute (O), Thirty-second and Chestnut streets. Rogen Atkins (C), 18 South Seventh street. Cost, \$400. School, alterations, northeast corner Thirty-second and Chestnut streets.

John Holland (O), 309 South Fifty-first street. J. D. Fisher (C), 5424 Thompson street. Cost, \$350. Store and dwelling, new cellar doors, 328 South Fifty-second street.

Bell Telephone Co. (O), 1621 Arch street. F. W. Van Loon (C), Denckla Building. Cost, \$2,000. Exchange, interior alterations, Eleventh and Filbert streets.

Thomas Henry & Sons (O), Trenton avenue and Tioga street. Robert Beally (C), 2321 East Fletcher street. Cost, \$400. Water tank, southwest corner of Trenton avenue and Tioga street.

Dannenbaum (O), 930 Market street. Frank Stewart (C), 1619 Sansom street. Cost, \$1,000. Wholesale house, interior alterations, 930 Market street.

Clara E. Platt (O), 4542 Richmond street. Robert M. Platt (C), 4542 Richmond street. Cost, \$1,500. Garage, brick, 1 story, slag roof, 18x54 feet, 4542-44 Richmond street.

John Williams (O), 2448 Cumberland street. S. F. Brown (C), 2421 North Twenty-seventh street. Cost, \$2,000. Garage, brick, 1 story, 36x95 feet, Twenty-fifth and Sedgley avenue.

J. J. Disstan, Jr. (O), Chestnut Hill. C. Johnson (C), 5701 Boyer avenue. Cost, \$1,125. Garage, stone, 1 story, slate roof, 22x22 feet, Upsal street and Wissahickon avenue.

John H. Seeds (O), 716 North Upsal street. Charles Johnson (C), 5701 Boyer street. Cost, \$860. Garage, stone, 1 story, slate roof, 22x22 feet.

T. F. Naalis (O), 910 South Twelfth street. F. J. Mahon (C), 2134 Uber street. Cost, \$1,200. Store and dwelling, flush bulk, interior alterations, Thirteenth and Carpenter streets.

David McEllis (O), 701 Brown Bros. Building. Charles E. Bell (C), 223 South American street. Cost, \$2,000. Factory, new slag roof and alterations, Swanson and Snyder avenue.

James Kopperman & Son (O), 307 Florist street. Monaghan & Lasso (C), 3016 Chestnut street. Cost, \$3,000. Shop, brick, 1 story, slag roof, 14x37 feet, 307 Florist street.

Cornelius Bodine (O), 129 South Fourth street. F. Elvidge (C), 5522 Germantown avenue. Cost, \$1,600. Garage, brick, 1 story, slate roof, 19x21 feet, Maseland avenue and Navapo street.

Abraham Cox Stove Co. (O), American and Dauphin streets. Wm. Steele & Son (C), 1600 Arch street. Factory, fire escape and alterations, northeast corner American and Dauphin streets.

Bergner & Engel Brewing Co. (O), Thirty-second and Master streets. E. Hollenback (C), northwest corner Fifteenth and Race streets. Still house, brick, 1 story, corrugated iron roof, 16x37 feet, Thirty-third and Pennsylvania avenue. Cost, \$2,500.

S. Jameson (O and C), 7014 Boyer street. Cost, \$3,400. Four garages, brick, 1 story, slag roof, 12x21 feet, 220-22-24-26 Forges lane.

Samuel Knee (O), 344 South Second street. A. Kirpicknikoff (C), 1110 North Forty-first street. Cost, \$2,500. Store and dwelling, brick, 2 stories, slag roof, 12x32 feet, 340 South Second street.

S. Lisbaum (O), 505 Chestnut street. A. Warshosky (C), 810 North Marshall street. Cost, \$850. Dwelling, interior alterations, 1102 Columbia avenue.

John W. Adam (O), Wissahickon avenue.

Samuel McNeil (C), East Cheltenham avenue. Cost, \$500. Residence, brick, 1 story rear, 18x17 feet, 72 West Washington lane.

Mr. Heilsan (O), Pennsylvania Railroad. Lons & Dothard (C), 628 Commercial Trust Building. Residence, rear addition, 1 story, pitch roof, 8x11 feet, 1924 Pine street.

G. Imheri (O), 813 Carpenter street. G. Imheri (C), 813 Carpenter street. Cost, \$2,500. Tenement house, brick, 1 story, 23x28 feet, 813 Carpenter street.

C. E. Lloyd (O and C), Eighth and Sixty-sixth avenue. Garage, frame, 1 story, 12x18 feet, 715 Kenilworth avenue.

Baptist Orphanage (O), Fifty-eighth and Thomas avenue. George W. Gardener (C), Fortieth and Warren streets. Cost, \$1,210. Coal storage, brick, 1 story, 24x26 feet, Fifty-eighth and Thomas avenue.

George Shuderm (O), 4909 Morris street. Frank K. Stahl (C), 2713 Park avenue. Cost, \$1,235. Dwelling, interior alterations, 5024 Wayne avenue.

John Scott (O), American and Diamond streets. Mathew Morrison (C), 2322 North Harvard street. Cost, \$3,500. Stable and garage, interior alterations, 2426-28-30 North Harvard street.

William France Son, Inc. (O and C), 4437 Frankford avenue. Cost, \$400. Garage, brick, 1 story, slag roof, 13x20 feet, Oakland street.

St. James' Parish (O), Thirty-eighth and Chestnut streets. Monaghan & Losse (C), 3016 Chestnut street. Cost, \$415. Toilets, brick, 1 story, 10x21 feet, Thirty-eighth and Sansom streets.

David Ellis (O), Narberth. Robert Brown (C), 2422 Paschall avenue. Cost, \$1,200. Engine room, brick, 1 story, 24x35 feet, Snyder avenue and Swanson street.

William E. Morris (O), Philadelphia, Pa. Frank Boyer (C), Morristown. Cost, \$700. Dwelling, hot water heating system, 1506 North Nineteenth street.

University of Pennsylvania (O and C). Cost, \$600. Stable, alterations and repairs, 4005 Irving street.

W. Bryant (O), Tenth and Washington avenue. H. D. Preityman (C), 2603 South Broad street. Cost, \$3,900. Store and dwelling, alterations and repairs, 2529-31-33-35-37 South Thirteenth street.

Weightman Estate (O), Weightman Building. Aug. Suger (C), 114 North Sixth street. Cost, \$750. Dwelling, low pressure heating system, 3618 Chestnut street.

L. D. Wieand (O), 145 East Sargen street. W. Call (C), 5911 Germantown avenue. Cost, \$1,000. Dwelling, alterations and heating plant, 41 East Eurgrena street, Chestnut Hill.

Israel Friedman (O), 2001 South Fourth street. N. Wilson (C), 727 Reed street. Cost, \$800. Dwelling, alterations and repairs, 2001 South Fourth street.

Archbishop of Philadelphia (O), Logan Square. Frank English (C), 1608 North Carlisle street. Cost, \$3,000. Building new fire escapes, East Allegheny and Cheltenham.

Weightman Estate (O), Weightman Building. J. S. Talley (C), 1931 Market street. Cost, \$1,000. Dwelling, interior alterations, 3618 Chestnut street.

Mrs. R. B. Kane (O), 1024 Clinton street. Matthew Schneider (C), 1308 North Sixth street. Cost, \$725. Elevator shaft, new interior shaft, 1024 Clinton street.

Insurance Company of America (O), 209 South Third street. Raymond Raff Const. Co. (C), 1633 Thompson street. Cost, \$2,000. Offices, alterations and repairs, 209 South Third street.

Wall & Kilburn Manufacturing Co. (O), Eighteenth and Glenwood avenue. H. E.

Baton (C), Twelfth and Sansom streets. Cost, \$900. Building, alterations and repairs, Eighteenth and Glenwood avenue.

P. Buoneiere (O and C), 1223 Catherine street. Store and dwelling, brick, 3 stories, 11x20 feet, 805 North Thirteenth street.

EDITORIAL NOTES.

The production and consumption of cement in the United States is now almost one barrel a year for every man, woman and child of the population. The production has increased 1,100 per cent. in the last fifteen years, and, at the same time, the price has been going steadily downward, owing to improved methods of manufacture, while standards of production have been formulated by technical bodies, so that all Portland cement is now practically uniform and dependable. This is something that could not have been said of the cement which the Romans used two thousand years ago, or even of the cement produced in this country ten or fifteen years ago. Some of it was good, and some of it was bad. Now it must all meet certain standard specifications, or it will not be accepted by the consumer.

* * *

The suggestion of Chairman Busch, of the Board of Trade's committee on municipal affairs, that spaces be reserved along the Parkway for the future accommodation of the city buildings, says the Philadelphia Evening Bulletin, is wholly practicable and desirable. It is fitting that the Parkway should become a civic centre, the Art Museum, Public Library, Public Auditorium, forming a nucleus, to which undoubtedly will be added the Hall of Justice, and to the company of these a single municipal capitol, or a group of buildings, might properly be annexed.

The community would do well to get the idea in its mind that the removal of City Hall is within the range of possibility. The choosing of a tentative site for its successor, on the Parkway or elsewhere, would not be premature.

* * *

Among interesting facts gleaned from a study of American ports, made under the auspices of the Bureau of Foreign and Domestic Commerce, are the following:

American ports are better suited by nature to handle the largest liners than any of the Old World ports; Boston has the most expensive, as well as the largest, pier in the United States, if not in the world, and will soon have the largest dry dock in the Western Hemisphere; the most noteworthy port development in recent years has been on

Our specialty is Portland Cement that will stick and pass the City Department. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

the Pacific Coast, at San Francisco, Seattle, Los Angeles, Portland, Tacoma, and San Diego.

Stress is laid on the increasing influence of the Federal Government on port development.

THE SCIENCE OF FIRE PREVENTION

(The accompanying article contains excerpts from a pamphlet published jointly by the New York Chapter of the American Institute of Architects and the New York Board of Fire Underwriters, and was prepared by the Committee on Co-operation, Julius Franke representing the Institute and F. J. T. Stewart the Underwriters.)

The subject of the science of fire prevention and protection is attracting much attention here and abroad. Exhaustive tests of fire resistive materials and fire extinguishing apparatus of one kind or another are being conducted all the time under scientific management. The record and results of these tests are carefully kept and generally published.

In addition to general standards adopted by the insurance companies for structural parts, such as for walls, floors and fireproofing, there are also standards for fire doors, wired glass windows and doors and new structural materials. These standards have generally been established as a result of fire tests or by the recommendation of the National Fire Protection Association.

The purpose of the National Fire Protection Association is "to promote the science and improve the methods of fire protection and prevention; to obtain and circulate information on these subjects and to secure the co-operation of its members in establishing proper safeguards against loss of life and property by fire."

Many Devices Tested.

Many specific devices and materials made to conform to approved specifications are tested and approved by the Underwriters' Laboratories. Inspection is also made at the shops of manufacturers, and labels issued by the Underwriters' Laboratories as evidence of compliance with standards, are affixed to the appliances. Architects and builders may thus specify and procure inspected and "labeled" fire doors, windows, fire shutters, stair and elevator doors, rolling shutters and hardware, electrical wire, fusible links for doors, watchmen's clocks, hose, waste cans, brooders, incubators and various other structural parts, devices or materials affecting the fire hazard.

Broadly speaking, there are six important considerations which enter into the "hazard" in fire insurance, and likewise the science of fire prevention and protection.

Exposure to Fire.

The architect may have little to do with the exposure to fire from without, as the site is generally chosen before he is called in. The

exposure depends upon the width of streets or courts, the space between the new building and the neighboring buildings, and the nature of such neighboring buildings.

This hazard may be reduced, however, if the building is planned without openings facing the danger, or if wired glass windows (1), shutters, doors (2) and skylights (11), facing such exposure furnish standard protection. Outside sprinklers (3) and fire hydrants (4) can also be provided to reduce the danger.

The hazard of construction of the structure is affected by the materials and workmanship entering into the construction, their thickness and strength.

An approved Building Code is generally utilized by the Underwriters in judging the adequacy of wall thicknesses and the strength of materials.

Structural steel members are required to be thoroughly covered with fire-resistive materials; as terra cotta, brick, concrete or other approved material of adequate thickness. The material and workmanship should also be of such that, in case of fire, a powerful hose stream will not destroy the protection and expose the steel to the flame.

The National Fire Protection Association at its annual convention in May, 1913, adopted regulations for a "Standard Fire Resistive Building of the Highest Type." This standard is for a building that would resist a temperature of 2,000 degrees Fahrenheit for four hours without material injury to its structural parts. Although impractical to erect all buildings as prescribed by this document, it is, nevertheless, an ideal that can be approached in any building at least in part. A suggested building ordinance especially intended for small towns and villages was also adopted in 1913 and treats especially of protection for the "non-fireproof" buildings.

Plan of the Building.

The hazard involving the sale of the building includes questions of height, area, the location of fire stops, facilities for the escape of the occupants and facilities for access for firemen.

The height of a building seriously affects its insurance, because, beyond a certain height the fire departments cannot be depended upon, for the present at least, for effective work.

It is evident also that the larger the area the greater the danger of fire getting beyond control. When the area of any floor exceeds 5,000 square feet the insurance cost is generally higher. Fire stops are provided to decrease the area in large buildings.

Fire stops are either brick or concrete "fire" walls, no less than 12 inches thick, to prevent the fire spreading in a horizontal direction.

To prevent the fire spreading in a vertical direction through openings between stories, such as staircases, shafts, elevators, vents, ducts, etc., such openings are shut off by fire stops. These should be of at least the same fire resistive quality as the floor construction dividing the stories.

For the purpose of allowing communication between the various areas in a horizontal direction and between the floors in a vertical direction, doors are provided which should be standard. Of other elements included in plan and construction are the electric wiring and fittings, protection against lightning, whether the building be fire-resistive or mill construction, and windows of wired glass with metal frames. Special standards have also been adopted for the construction of railway car houses and for gravity tanks.

Fire Extinguishing Equipment.

The hazard of the fire extinguishing equipment is affected by the character of the protective apparatus, either stationary or movable, such as sprinklers, standpipes, pumps, valves, water supply, hand extinguishers, watchman's clock, fire-drills, fire alarms, hose, etc., all designed to extinguish fire in its incipient stage.

The consideration of the nature of the occupancy includes these points: Whether the merchandise and temporary fixtures are combustible or not, whether explosives or highly inflammable materials are stored, whether there are few or many employees, the nature of the work being done, whether or not the place is kept clean, whether or not the fire extinguishing apparatus is kept in order, and whether or not the special mechanism or apparatus being used is standard and properly taken care of. Gas machines and engines, incubators and brooders, kerosene oil pressure systems, oxy-acetylene heating and welding apparatus, waste cans and ash cans, films, oil storage, and gasoline stoves for cooking, are all, if improperly installed, hazards of this nature.

The danger of fire due to carelessness or viciousness on the part of the owner, is commonly known among Underwriters as the moral hazard. It is quite distinct from the physical hazard, but a careful investigation of the moral hazard is essential in insurance.

Public Fire Protection.

The public fire protection, which depends on the efficiency of Municipal Departments—notably the Fire, Water and Building Departments, has an important bearing on the fire loss and consequently the cost of insurance. Architects, builders and property owners can exert an important influence in fire prevention by encouraging the enactment of adequate laws on these subjects and insisting on an efficient administration of such laws.

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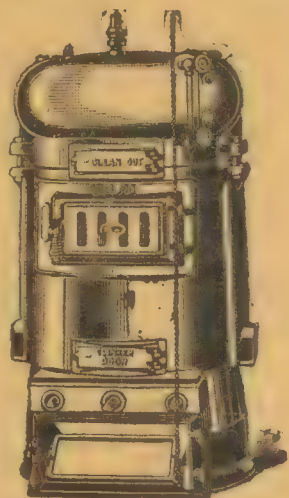
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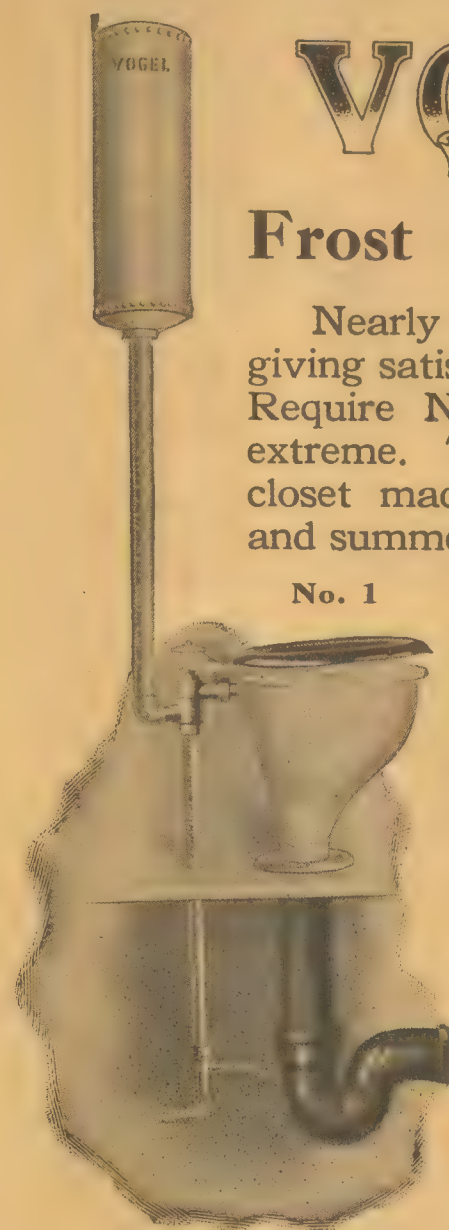
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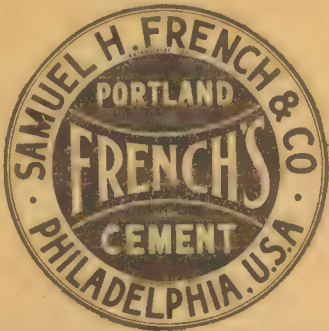
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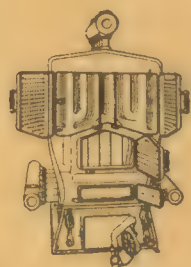


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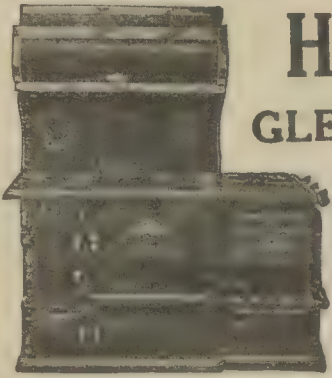
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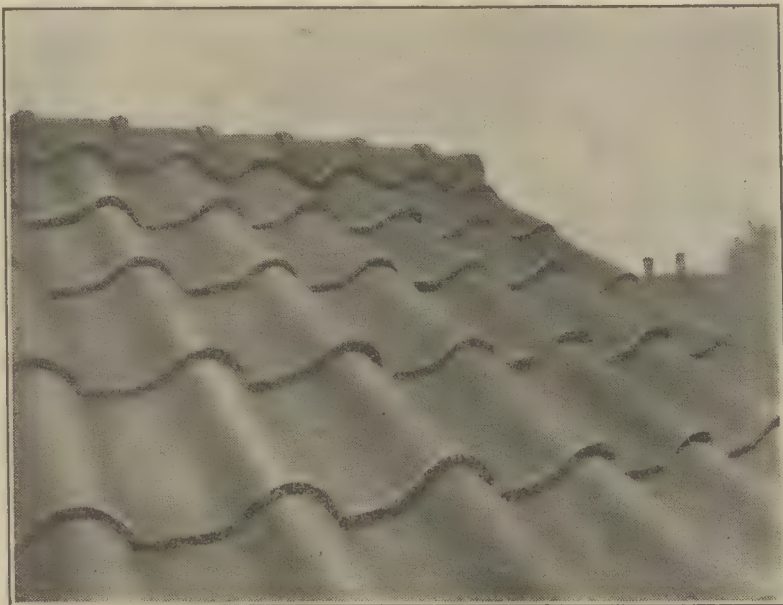
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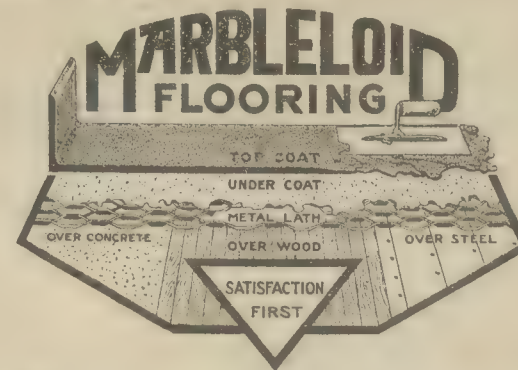


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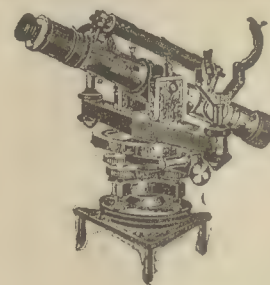
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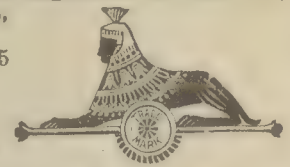
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

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As The Editor Sees It



Starrett and the System.

I think I have, before, made reference in these columns to the series of articles on building, and the building trades, that Mr. Theodore Starrett is contributing to the pages of *Architecture and Building*. Mr. Starrett is by no manner of means a great writer. He uses slang, colloquialisms and now and then a decidedly slipshod order of English. But Mr. Starrett's articles are for all of that a never-ending source of delight to builders. Why? Because if there is any one game on the face of the globe that Theodore Starrett knows, knows intimately and personally, by first-hand contact and from the ground up, it is the building game.

To enable the lay reader to get the right focus on the point of view of Mr. Starrett it is necessary to say that the building game is in a bad way. Indeed the element of competition is rapidly approaching a stage at which it might be said to recall the fabled cats of Kilkenny. Lest one here and there among our readers may be to some extent unfamiliar with these gaelic felines we shall pause to remark that:

There were once two cats in Kilkenny
Each thought there was one cat too many,
So they quarreled and they fit
And they scratched and they bit
Till, instead of two cats, there weren't
any!

The application ought to be obvious.

A big job is up for the letting. A half-dozen "wide-awake" building firms start to figure. All hands pare and prune and cut and slash in the effort to be lowest bidder. One of the parties to the interesting little guessing contest emerges "winner." He is awarded the contract. If the "subs" are tractable, the weather conditions right, there are no delays in delivery and the labor question doesn't back-fire, he comes out with a

profit. A mighty slender profit to be sure, but—a profit. If any one of the several provisos mentioned happens to develop a slight kink in its steering gear he comes out a loser and stands, conditions being favorable, an excellent chance at life membership in the Down-and-Out Club.

I am treating the subject, as you will observe, in the vein of levity. It is not, actually, anything like so funny as I am picturing it.

* * *

Big Jobs and Little Jobs.

BUT to return to Theodore Starrett. An article in the July number of *Architecture*, from the Starrett pen is captioned "Big Jobs and Little Jobs." Here is one of the stories, based on hard, practical fact, that Starrett narrates therein:

"In the city of Chicago at a certain time not so very long ago the most prominent builder was a mason contractor who got almost every big job that was going. I knew him well, and it wasn't George A. Fuller either. I knew Fuller well, too.

"This mason builder was an awfully good fellow, as they say, and he was talking to me once in a whimsical mood about the profits. He had a friend, an alderman on the West side, who had a carpenter shop in which or by which he managed to keep the wolf from the door. My friend twitted the alderman on not getting in on any of the big work. The alderman held his ground and said he was satisfied to worry along on small jobs.

"They compared notes. The carpenter with his modest shop had done \$75,000 worth of work in the year just passed and had made \$25,000 profit. The big fellow had done \$500,000 worth and had made \$15,000.

"The moral, I hope, is self evident. People who hunt work where everybody else is hunting it are forced to pretty slim picking."

Starrett adds that while it is undeniable that there are big builders who do a profitable business it is his guess that they do it just as our friend the alderman did it. That is, they get their contracts before their business rivals know anything about them and thus avoid what has come to be an almost ruinous competition.

* * *

Truth About Contracting.

SPEAKING of the new men who try to break into the building game with the idea that it is easy picking Starrett remarks:

"I suppose there are thousands upon thousands still who have that wrong notion about contracts and contractors, and on the theory that there's one born every minute the supply is likely to last forever and increase as time rolls on.

"The truth about contracting, when it involves trafficking in the souls of trade unionists—that's what all contractors do, isn't it? Traffic in the souls of the down-trodden workman—the truth about that kind of contracting is that it is getting to be the deadliest game as far as one's fortunes are concerned that any man can engage in.

"Just think of men who have to depend on unionists to do their work figuring on undertakings that involve so much—so very many different kinds of things to be done, so many different interests to be harmonized, when the very nature of things invites, if not indeed compels, conflict of interest from the start—think of them figuring on building a skyscraper in a certain time regardless of weather and figuring so closely and scientifically that sometimes two or even three bids are the same and all the low ones are too

**DRAWING
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low! Think of them carrying through this work, taking all this responsibility, for a paltry five or even ten per cent. profit!

"Why, the man who builds one of those big 'scrapers on time ought to make enough profit to retire.

"But owing to the enormous cost of the labor involved in these undertakings the whole business is subject to the most deadly competition.

"Something is rotten in the State of Denmark.

* * *

Squeezing the Sub.

I MET a man the other day who seems to have given a little thought to this subject. He is a builder; to be more exact he is a sub. He has a friend who is going to build and when the time comes he expects to ask that friend for the part of the work that he does. The friend has had the plans prepared and has been taking bids from builders, that is general contractors, who are willing to bet a million that they can do the work cheaper than anybody else.

"Asked by his friend, the sub, what was doing, the prospective owner said: 'Oh, I'm in no hurry to let the contract. The builders are at work on the figures now and *doing things to each other* in great shape.'

"You know what that means, little builder, don't you?

"A nice mess the subcontractors will go up against when that contract is finally put 'on the market.'

"Oh, I pity the poor subcontractors."

That's Starrett at his best and Starrett knows.

* * *

Comment and a Suggestion.

IN a recent issue of THE GUIDE I turned loose a few random observations on this subject of the present system of bidding. *The Bulletin of the Master Builders' Exchange* makes these the theme of comment in the August number as follows:

Some day the builders will get together and agree to quit guessing. And when that day arrives there will be fewer buildings constructed by the average building firm, but on the other hand, the average firm will make more money. There isn't another business in the country to-day that would tolerate the kind of competition that exists in the building field.

"The above, from THE BUILDERS' GUIDE, we believe expresses the opinions of all engaged in the building trades in so far as it refers to the cut-throat competition prevailing and the increased prosperity that would result with its elimination.

"A feasible, practicable plan has been

sought for by every Builders' Exchange in the country, but we know of none that has met with success.

"The size of the estimate for a building (errors and omissions excepted) submitted by the general contractor depends largely upon the old economic law of supply and demand, and his bids will fluctuate accordingly as his desire and need for work rises and falls, the percentage of profit added being correspondingly greater or less as the case may be. This is a legitimate practice and should not be altered.

"The range of the bids submitted by the general contractors is also influenced by a difference in overhead expenses, occasionally a more favorable market for materials not known to others, a greater adaptability to the character of the work entailed in erecting the particular structure and, we regret to state, the knowledge that he can induce one or more of his sub-contractors to reduce their bids from the original tender.

"The last-mentioned item is the one in need of correction and it has been said that it oftentimes represents the contractors' entire profit on the job. It certainly is an evil of which all, both the contractor and sub-contractor, complain most bitterly."

* * *

Would This Help?

IT has been thought that it might be possible to eventually prevent its continuance by having the sub-contractors file copies of their bids at the Exchange.

"These bids to be kept secret, under seal, and filed with the Builders' Exchange, in the keeping of its secretary, and to be opened upon request, after contract is awarded.

"The sub-bids would then be scheduled and the lowest reliable bidders in the various lines who had tendered their bids to the successful general contractor would then be awarded their contracts at the prices filed with the Exchange.

"It is the humble belief of the writer that a plan of this kind might solve the problem for the one reason, if for no other, that the amount of the lowest sub-bid is definitely established and can be obtained and the lowest bidder cannot be hoodwinked into believing that he must cut his figures to win the job.

The plan is very hazy, but can be elaborated and improved as necessity demands. We believe it merits a trial, at least, and further hope it may suggest criticism from which the effectual specific may be compounded."

And as good old Johnny Patterson used to say when he somersaulted into the sawdust ring: "Here we are again!"

A Chat on Lien Law.

BY the way, there is an interesting little talk in the Exchange Bulletin on the subject of "Mechanics' Liens," by John D. Carlile, counsel for the Exchange. It is so clear and concise an exposition of the law of Pennsylvania in its bearings upon the subject in hand that we are moved to quote it at some length:

"Mechanic or dealer in materials who seeks to maintain lien against any building upon which he has done work or furnished materials must be careful first to see that he has charged the operation or building with the materials and labor furnished, in other words, that his work has been done upon the credit of the operation and not upon any credit given to an individual, as such alone; he must also, secondly, determine whether the building upon which he is working is a 'new erection' or 'an alteration and addition.' In most cases, this is not difficult, and the question only arises when an old building is so altered that it is practically made new, then the claimant is put to the necessity of determining the nature of the change, because of the fact that liens for 'new erections' are given under one act, and in each instance the procedure necessary to maintain a lien is different.

* * *

Notice to be Given.

TO illustrate: If it is intended to hold the building upon which the work in the nature of an alteration is being done, notice of such an intention must be given to the owner before the completion of the work; this notice is not required, however, when the job is a 'new erection.'

The lien attaches in the case of a 'new erection' from the time when the building is commenced, that is, when the first excavation for foundations is made; but where the claim is to recover for 'alteration' the lien attaches from the date of its filing, so that there is a vast difference in the inception of the claim, and of its effect and value.

"Another notice of the intention to file a lien must always be given to the owner a certain length of time prior to its filing, and after the lien is filed in court a notice of that fact must also be given. These notices of an intention to file a claim must be given in the case of a 'new erection' within six months after the completion of the work, and in the case of an 'alteration and addition' within three months after its completion.

"These generally are the salient provisions of the lien law as it stands, and while, as has been said, the remedy is one purely statutory, yet the courts have almost uniformly been liberal in construing the law in favor of the mechanic.

The Objectionable Provision.

THERE is, however, a provision in the law as it now stands by which the general contractor may agree with the owner that no liens either by himself or any sub-contractor shall be filed. This agreement, when properly recorded or when brought to the actual notice of the parties interested, will prevent the filing of any lien, or will at least render it nugatory. Under this provision a practice has grown up by which in almost every case it has become usual to file such agreements of record, thus relegating the sub-contractor to his remedy against the contractor in person, which practice has resulted, in many cases, in debarring those who are the most vitally concerned, and who contribute in the largest degree to the building, by com-

elling them to resort for payment to the contractor alone, who may be irresponsible."

* * *

A Movement for Repeal.

THERE is a proposition pending in the Exchange to ask the next Legislature to repeal this objectionable provision, the effect of which movement, if successful, would be to make all buildings thereafter erected subject to mechanics' liens when properly filed.

The proposition is, as yet, in the tentative stage. In other words, while sentiment is being canvassed in its behalf it is understood that no action will be taken unless such action has the approval of a majority of the members of the Exchange.

EDITORIAL NOTES

The National Terra Cotta Society, in which O. W. Ketcham is an influential factor, has under way a carefully planned campaign to interest prospective builders in the beauty, utility and comparative economy of terra cotta as a medium for attractive store fronts.

* * *

The Legislation Committee of the Philadelphia Master Builders' Exchange reports that the Ordinance, making it obligatory upon the part of the city authorities to place and maintain red danger lights on sidewalk and street obstructions, has been submitted to Councils and is now in the Committee on Highways.

* * *

Owing to the fancy wage scales of the munition makers the labor question continues troublesome. At least one projected speculative operation that had proceeded as far as the cellars has been called off because of the impossibility of holding laborers in the face of the wages offered in and about Eddystone.

* * *

An investigation to determine the laws governing the strength and stiffness of mild steel when subjected to combined stresses at right angles to each other has just been completed by Albert J. Becker, of the Engineering Experiment Station, University of Illinois. The specimens tested were made of drawn steel tubes of uniform size and thickness. These tubes were subjected to an axial load, either tension or compression, and to internal pressure.

The results show that with changing relative values of the biaxial stresses the yield-point strength follows the maximum strain theory until the value of the shearing stress reaches the shearing

yield point, then the shearing stress controls according to the maximum shear theory. Thus there are two independent laws each dominant within proper limits instead of any single law as has heretofore been assumed.

The investigations of Mr. Becker are described in Bulletin No. 85 of the Illinois Engineering Experiment Station, W. F. M. Goss, Director, Urbana, Ill.

* * *

Rene Gruet, architect, 77 Rue Reaumur, Paris, France, is establishing an agency in Paris to represent American manufacturers of building materials and specialties for distribution throughout France and Belgium. After the war there will be unusual opportunities for all manner of building materials to be used in reconstruction and Mr. Gruet is desirous of hearing from parties who wish to establish selling connections.

* * *

Building material prices outside of the metal lists show few changes for the month so far. Paints and oils are gradually recovering from their recent decline. Dry colors are extremely high on account of the war embargo, but white lead, linseed oil and turpentine are moderate in price. The lumber list has weak spots. Gravel is higher, but sand is steady at the price set in the spring. Window glass still commands premiums above the official list price.

* * *

The United States Bureau of Standards, in conjunction with others interested in the problem, has undertaken an investigation of the integral method of waterproofing concrete. Letters have been sent to more than 800 architects,

engineers, contractors, etc., and the replies received are being tabulated by the bureau. The project for experimental concrete tanks along the river front of the city of Washington is an important feature of the investigation. The District Government has set aside a plot of ground for this purpose and plans have been completed for the construction of the tanks.

* * *

Kenneth Murchison, architect, 101 Park avenue, New York City, has been retained by the Jacksonville Terminal Company, Jacksonville, Fla., to prepare the plans and specifications for erection of a union terminal to cost approximately \$650,000. The projected structure will be three stories in height, 365x80 feet. Mt. Airy granite will be used for the construction. The new building will become a terminal for all railroads entering Jacksonville.

* * *

Long extensively used for street paving, creosoted wood blocks are being used more and more for flooring and runways in factories, warehouses, machine-shops and covered piers, hospitals and laundries. The material is mostly Southern yellow pine treated in great steel cylinders. Creosote oil is run into the cylinders and pressure is then applied to force it into the wood. The blocks are laid with the grain vertical. The joints or cracks between the blocks are then filled with hot paving pitch or asphalt. The cost averages about \$1.50 per square yard for the blocks alone and about \$2.40 per square yard for the completed floor.

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Lehigh Portland Cement Company, Allentown, Pa., has increased its capital from \$1,200,000 to \$2,000,000.

* * *

The total value of the building permitted for at 148 cities of this country for July was \$114,400,000, a gain of 63.5 per cent. over July, 1915.

* * *

The National Lumber Manufacturers' Association report that yellow pine to the amount of 14,700,000,000 feet, valued at \$12.50 per thousand feet, was cut in the United States during 1915, leading the amount of other lumber out by more than 10,000,000,000 feet. The total for all lumber was 37,013,000,000 feet.

* * *

For the first two weeks this month the freight movement past ten chief division points on the Pennsylvania Railroad lines east, amounted to 438,001 cars, an increase of 34,032 cars over the same period last year.

* * *

Income tax revenue collected by the government this year aggregated \$124,937,252, to compare with \$80,201,758 the previous year, an increase of more than 55 per cent.

* * *

Professor Thomas Nolan, of the Department of Architecture, University of Pennsylvania, has just been appointed by the president of the American Institute of Architects to the chairmanship of a new Institute Committee on Building Materials and Methods of Construction. Working under and with Professor Nolan will be as many sub-committees as there are chapters of the institute in the United States. It is the intent of the institute to gradually extend the scope of the work of this committee to embrace co-operative constructive work with various engineering societies, and to collect, publish and distribute for the use of architectural profession throughout the United States important information concerning building materials or devices.

* * *

Keep plugging! Did you ever know a successful man who let up in his efforts just because he had a "good excuse"?

When others are discouraged, the successful man keeps his confidence. When others fall back in the face of difficulties, the successful man girds on his armor and presses forward. When others drift with the tide, the successful man puts on more steam and fights the harder.

"I have no fear," said General Grant, on the eve of a battle. "I'm thinking how afraid the other fellow is."

"When my competitors lose their nerve, then is my chance to fight the harder for the business that they let slip," said a great captain of industry.

Anyone can succeed—for a while—when times are propitious. Anyone can advance with the throng.

But to stand by the guns when others have fled, to go forward when others retreat, takes the stuff of which heroes—and successes—are made.

Don't quit, don't waver—

Keep plugging!—*Ohio State News.*

LIMIT ARCHITECTURE TO STREET FACADES

Designers Criticised for Ornamenting Only One Wall of City Buildings.

If the architecture of our cities was invariably viewed from the points selected by the designers of its various units when preparing their perspectives, there would be some degree of reason in the plan now generally pursued, although even a friendly critic would probably hold that there still remained something to be desired, says "The American Architect." But, as a matter of fact, a very large proportion of the buildings which constitute our urban architecture is viewed by three-quarters of our population, for the greater part of the daylight period, from the windows of office buildings, apartment houses, loft buildings or residences, which do not look out upon the principal facades of the surrounding structures.

Viewed broadly, it seems, therefore, little short of illogical to expend much artistic effort and considerable sums of money to decorate and improve but one wall. The roofs may and generally do present an array of water tanks, pent houses and skylights arranged and constructed to serve utilitarian purposes solely and without regard to form or appearance. Side, rear and court walls likewise are usually without architectural treatment, and in many instances are rendered even more crude and unfinished by contrast with a well-designed principal facade visible from the same viewpoint. Perhaps there was a time before the advent of the tall building when this manner of treatment was more or less justified by reason of the fact that seldom if ever were the roofs or sidewalls in evidence to any one but the workmen sent to repair or maintain them. At the present times, however, conditions have so totally changed that there no longer appears to be any excuse for the dilapidated or unfinished aspect of these prominent portions of the modern building.

Undoubtedly the question of cost enters into the problem, but, ignoring custom, there seems to be no good reason for neglecting the design of any portion of the building that is viewed as frequently and by as many people as are the roofs and sidewalks. A more consistent treatment would be to save some of the expense not infrequently lavished on entrance and other details of the principal facade and devote the money to the refinement of these various features of the building now generally neglected. In this work architects are manifestly in a position to ex-

ert a strong influence, and if a client has presented to him the fact that an elaborate principal facade with shabby roof structure and rear walls is an expression of bad taste; that the practice is as indefensible and blameworthy as is the perpetuation of numerous other shams for which he would under no circumstances take responsibility, the ultimate result will undoubtedly be a great improvement in the architectural appearance of our cities.

AMERICAN WAR MEMORIALS.

The "Architectural Review" (London) contains in a recent number an extended illustrated article on America's war memorials. It says that among the columnar monuments of recent date those by McKim, Mead & White—the Battle Monuments at West Point and the Prison Ship Monument in Brooklyn—should be studied as examples of refined taste and bold execution. Further:

"The Battle Monument at West Point is, we think, one of the very finest monuments of its kind erected in modern times," says the "Review." "The site itself is remarkably striking and the architects have taken the fullest advantage of it in the setting of the column.

"The mausoleum to General Grant, in New York, is another very striking war memorial in America. It follows the classical model of the mausoleum of Halicarnassus with certain modifications.

"The Maine monument is as regards composition not entirely successful. The extreme animation of the silhouette conveys nothing of that sense of repose which a monument should symbolize and the naval emblems (sea horses) and figures are too excitedly grouped. There is a lack of dignity in this monument that gives the impression that it is essentially a paper design. On the drawing board beautifully drawn and exquisitely rendered it could not fail to charm; but the designer did not achieve his purpose, having failed to give sufficient character to the executed mass.

"The Soldiers Monument in Brooklyn (J. H. Duncan, architect; F. W. MacMonnies, sculptor) is not a satisfactory composition, the disposition of the sculpture groups in relation to the architecture being unhappy in effect.

"Bartholdi's gigantic statue of 'Liberty'—its execution is masterly, but it owes its success partly to its advantageous site on Bedloe's Island at the entrance to New York Harbor.

"The motif of a triumphal arch has been used for many war memorials in the United States. The finest is the Washington Arch in Washington Square, by McKim, Mead & White. This elegant structure follows Chalgrin's Arc de Triomphe, though miniature in size when compared with the great Paris example. Its chief attraction consists in the noble proportion of its mass and in the extreme beauty of the detail."

Some big guns are smooth bores.—Ex.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store (alt. and add.), 3040 and 3042 Germantown avenue. Architect, Wm. H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, J. F. Brown, care of architect. Brick, 3 stories, tile and marble work (heating and electric work reserved). Architect taking bids, due August 28th. John N. Gill & Co., Heed Building, Philadelphia, are figuring.

Stores and Apartments, 1304-1306 Columbia avenue, Philadelphia. Architect, George Monroe, 105 North Sixtieth street, Philadelphia. Owner, Mrs. Tillie K. Daut, care of architect. Brick, 3 stories, 32x59 feet, slag roof, steam heating, electric lighting, hardwood floors, tile work. Architect taking bids, due August 30. W. O. Springer, 1634 Latimer street, Philadelphia, is figuring.

Garage, 2312 to 2316 North Broad street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, F. W. Kroesser, 1432 Rush street, Philadelphia. Brick, 1 story, 55x178 feet, slag roof, steam heating, electric lighting. Architects taking bids, due August 30th. The following are figuring: Stacy Reeves & Sons, 2011 Market street; John McShain, 1610 North street; Harry Gill, Jr., 2515 Germantown avenue, and Frank Mark Contracting Co., 2821 North Twenty-first street, Philadelphia.

Parochial School, Belgrade and Westmoreland streets, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, R. C. Church of the Nativity, Monsignor J. P. Turner, on premises. Brick, stone and steel, fireproof, 4 stories, 125x170 feet, slag roof, steam heating, electric lighting, tile work. Architects taking revised bids. Melody & Keating, Bailey Building, Philadelphia, are figuring.

Factory Buildings (3), Twenty-fifth and Hunting Park avenue. Architects, Ballinger & Perrot, 1701 Arch street, Philadelphia. Owners, Edw. G. Budd Manufacturing Co., Twenty-fifth and Hunting Park avenue. Brick, steel and reinforced concrete, 5 stories, 75x330 feet, 1 story, 125x310 feet; 1 story, 85x300 feet, concrete, slag and wood roof, steam heating, electric lighting, fire doors, metal lath, waterproofing. Architects taking revised bids, due August 29th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; Warren, Moore & Co., Commercial Trust Building; H. E. Baton, Twelfth and Sansom streets; Haibach Const. Co., Twenty-sixth and Thompson streets; Turner Concrete Steel Co., 1713 Sansom street; F. W. Mark Const. Co., Finance Building; Barclay White Co., Perry Building; George A. Fuller Co., Widener Building; Fidelity Const. Co., Heed Building; E. F. Fonder, Land Title Building, all of Philadelphia; Leonard Const. Co., Stone & Webster Eng. Corp., both of New York City, and Samuel Austin Sons, Cleveland, Ohio.

Factory Buildings (2), Third and Allegheny avenue. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Bernstein Manufacturing Co., on premises. Brick, steel and concrete, 3 stories, 70x70 feet and 45x48 feet, slag roof, steam heating, electric lighting, metal sash. Plans in progress.

Store and Apartments (alts.), 126 South Ninth street, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Ernest Jambor, on premises. Brick, 3 stories, consists of general interior alterations. Plans in progress.

Factory Building, Stenton avenue, Wayne Junction, Philadelphia. Architects, Morris & Erskine, 1428 Chestnut street, Philadelphia. Owners, Leeds & Northrup Co., 4901 Stenton avenue, Germantown. Reinforced concrete, brick and cut stone, 5 stories, 54x200 feet, hollow tile partitions, promenade tile, wood block, terrazzo and concrete floors, felt, asbestos and asphalt roof, safety treads, fire tower, steel doors, steel stairs, steel rolling partitions, copper work. Superintendent, Joseph E. Pennock, 2128 Land Title Building, Philadelphia, is taking sub-bids on all lines.

Theatre, southwest corner of Eighteenth and Market streets, \$500,000. Architects, The Hoffman Co., Finance Building, Philadelphia. Owners, Stanley Realty Co., Juniper street and Market street. Brick, terra cotta, concrete and steel, fireproof, 1 story, 152x176 feet, slag roof, mechanical heating system, electric lighting, tile and marble work, metal lath. Plans in progress.

Tank Supports, Boston and Emerald streets, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Firth & Foster Co., on premises. Reinforced concrete and steel. Architects taking bids, due August 28th. The Fidelity Construction Co., Heed Building, is figuring.

Machine Shop, 140 North Juniper street, Philadelphia. Architect, Wm. Lowenthal, 1208 Chestnut street, Philadelphia. Owner, P. J. Collins, on premises. Brick, 1 story, 18x100 feet, stone, terra cotta, cement and concrete work, slag roof, steam heating, electric lighting. Architect has received revised bids.

Convenience Station, Westmoreland Park, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia. Brick and plaster, slate roof, interior tile walls, heating, lighting and plumbing. Lowest bid submitted by Mitchell Bros., 2125 Race street, Philadelphia, \$3,986.

Convenience Station, Cornelius Park, Philadelphia. Architect, Louis E. Marie, City Hall. Owners, City of Philadelphia. Brick and concrete, 2 stories, slate roof, interior tile walls, heating, lighting and plumbing, also two pavilions, 1 wood and 1 brick, 1 story, slate roof. Lowest bid on convenience station submitted by James L. Connor, 1345 Arch street, Philadelphia, \$6,300. Lowest bid on rustic pavilion submitted by W. W. Anstine & Co., 1218 Filbert street, \$1,500. Lowest bid on refreshment pavilion submitted by W. W. Anstine & Co., \$800.

Club House (int. alts.), 1209 Walnut street, Philadelphia. Architect, Samuel D. Hawley, 2nd, Queen Lane Manor, Philadelphia. Owners, Philadelphia Athletic Club, on premises. Consists of interior alterations, new shower and rubbing room, tile work, marble work, plumbing and painting. Architect has received bids.

Residence (alt. and add.), St. Martins, Pa. Architect, Charles Barton Keen, 1218 Chestnut street. Owner, T. Charlton Henry, Thirty-third and Moreland avenue, Chestnut Hill. Consists of general alterations, interior and exterior, new porches (heating system, tile work and hardwood floors reserved). Architect taking bids, due August 31st. The following are figuring: Samuel Harting, 22 Harvey street; Thomas Seeds, Jr., 1207 Race street; John N. Gill & Co., Heed Building; Wm. J. Gruhler, 219 East High street; Jacob Myers & Sons Co., Witherspoon Building; A.

R. Raff Cont. Co., 1635 Thompson street, Philadelphia.

School (alt. and add.), Sixth and Tioga streets, Philadelphia. Architect, E. F. Durang & Co., Fifty-fourth and Cedar avenue, Philadelphia. Owners, St. Veronica's R. C. Church, care of Rev. J. J. Donnelly. Stone and brick, consists of general interior and exterior alterations and addition. Architects taking bids, due September 1. The following are figuring: Wm. McShane, 417 South Thirtieth street; Conneen Const. Co., Commercial Trust Building; Wm. R. Dougherty, 1610 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; Monaghan & Losse, 3016 Chestnut street, and J. J. Murphy, 4034 Powelton avenue.

Church (alt. and add.), Park and Montgomery avenues, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Third Church of Christian Scientist, on premises. Stone, 1 story and basement, 50x60 feet, slate roof, vacuum vapor heating, electric lighting, also alterations to present building. Architects will take bids in about one week.

Residence and Garage (alt. and add.), 2109 Walnut street, Philadelphia. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Howard Reifsnnyder, 110 South Front street, Philadelphia. Brick and stone, 4 stories (plumbing, heating, electric work, tile work, roofing and plastering reserved). Architect taking revised bids, due August 31st. The following are figuring: John N. Gill & Co., Heed Building; A. R. Raff Construction Co., 1635 Thompson street, and Jacob Myers & Sons Co., Witherspoon Building.

College Buildings, near Chestnut Hill, Pa., \$500,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, Carson College for Orphan Girls, Witherspoon Building. Consists of three cottages, stone, 2 stories, 101x25 feet, 133x48 feet and 120x42 feet; two residences, 2½ stories, stone, 25x75 feet and 40x82 feet; store building, 1½ stories, 40x70 feet; garage, 2 stories, 35x175 feet, tile roofs, hot water heating, electric lighting, sewage disposal plant, hollow tile and concrete fireproofing, metal lath, fire doors. Revised plans in progress.

Stores and Apartments (remodeling), 240 and 242 South Eleventh street. Architect, Otto C. Wolf, Denckla Building, Philadelphia. Owner, Tony Kayser, 238 South Eleventh street, Philadelphia. Brick, 3 stories, 25x100 feet, slag roof, steam heating, electric lighting, tile work, parquet and reinforced concrete floors. Revised plans in progress.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Factory Buildings (3), Twenty-fifth and Hunting Park avenue. Architects, Ballinger & Perrot, 1701 Arch street, Philadelphia. Owners, Edw. G. Budd Manufacturing Co., Twenty-fifth and Hunting Park avenue. Brick, steel and reinforced concrete, 5 stories, 75x330 feet; 1 story, 125x310 feet; 1 story, 85x300 feet; concrete, slag and wood roof, steam heating, electric lighting, fire doors, metal lath, waterproofing. Contract awarded to F. W. Mark Const. Co., Finance Building, Philadelphia.

Garage, Forty-ninth and Monument avenue, Philadelphia, \$2,500. Architect, E. D. Salter, 4907 Wynnefield avenue. Owner, E. F. Kurtz, 2535 Montgomery avenue, Philadelphia. Stone and plaster, 2 stories, 25x23 feet, shingle roof, metal lath (heating and electric work reserved). Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Store Building, 857 North Broad street, Philadelphia. Architect, Charles E. Oelschlagel, Harrison Building, Philadelphia. Owners, R. A. Heymann & Bro., Widener Building, Philadelphia. Brick and terra cotta, 1 story, 30x160 feet, slag roof, steam heat, electric light, fire doors, metal lath, tile floors, cement work. Contract awarded to E. J. Kreitzburg, 1345 Arch street.

Office Building, Thirty-third and Arch sts., Philadelphia, \$100,000. Architects, Ballinger

& Perrot, 1700 Arch street, Philadelphia. Owner, E. M. Harris, 2300 Chestnut street, Philadelphia. Lessees, Adams Express Co., Seventeenth and Market streets, Philadelphia. Brick, concrete and steel, 3 stories, 200x92 feet, slag roof, electric light, kalamein doors, tinclad doors, metal lath. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Factory, Ontario and C streets, Philadelphia, \$40,000. Architect, private plans. Owners, Philadelphia Storage Battery Co., on premises. Brick, 1 story, 100x219 feet, slag roof, electric lighting. Contract awarded to Stewart Bros., 2526 North Orkney street, Philadelphia.

Store (alt. and add.), 525 South street, Philadelphia. Architect, Wallace A. Finnessey, 728 Porter street, Philadelphia. Owner, N. Carrol Sheahan, agent, 6386 Overbrook avenue. Brick, 4 stories, slag and tin roof, ornamental iron, tile work, electric lighting. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Residence (add.), Medary avenue, near Beechwood street, \$1,500. Architect, private plans. Owner, George Seibel, 2129 Medary avenue, Philadelphia. Brick, 2 stories, 12x16 feet, tin roof, plumbing. Contract awarded to Thomas J. Carberry, Heed Building, Philadelphia.

PENNSYLVANIA

Construction News

School, Chester, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Own-

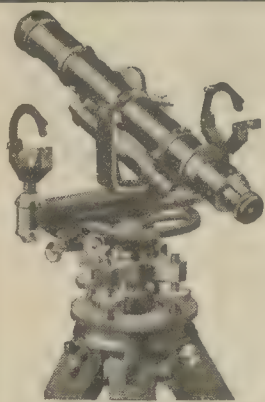
ers, Board of Education, care of George Mitchell, chairman, Chester. Brick and stone,

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2 stories, 76x101 feet, slate roof, metal lath, roof ventilator, kalamein doors, safety treads, reinforced concrete floors, iron stairs. Owners taking bids, due September 6th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Charles McCaul Co., 1713 Sansom street; Eugene Tourison, 1001 Chestnut street; Warren, Moore & Co., Commercial Trust Building, Philadelphia, and H. Louis Morris, Chester, Pa.

Boiler House and Car Shop (add.), Newberry Junction, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Brick, 1 story, 57x24 feet, slag roof, iron stairs. Owners taking bids. F. W. Van Loon, Denekla Building, Philadelphia, is figuring.

Residence, Secane, Pa. Architect, private plans. Owner, E. W. Caruthers, 4732 Kingsessing avenue, Philadelphia. Stone and frame, 2½ stories, 36x25 feet; wing 11x18 feet, shingle roof, electric lighting, tile work, hardwood floors (heating reserved). Owner has received bids.

Residence, Whitmarsh, Pa., \$40,000. Architect, Louis Rush, 130 South Fifteenth street, Philadelphia. Owner, Mrs. John J. Henry, Cherokee and Moreland streets. Stone, 2½ stories, 50x130 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Architect taking bids, due September 2nd. The following are figuring: F. B. Davis, 240 North Sixteenth street; J. Sims Wilson Co., 1125 Brown street; Thomas M. Seeds, Jr., Co., 1207 Race street, Philadelphia, and J. D. Lengle, Wayne, Pa.

Telephone Exchange, Crafton, Allegheny County, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., 1230 Arch street, Philadelphia. Brick, 3 stories and basement, slag roof, electric lighting, steam heating. Owners taking bids, due September 6th.

Academy Building (alts.), Villanova, Pa. Architect, E. F. Durang & Son, 1200 Chestnut street, Philadelphia. Owners, Villanova College (Tolentine Academy), Rev. Nicholas J. Murphy, Villanova, Pa. Consists of refacing entire three-story building, granite and terra cotta, tin roof. Architects taking bids, due September 1st. The following are figuring: John McShain, 1610 North street; Wm. McShane, 417 South Thirteenth street; Conneen Construction Co., Commercial Trust Building; Wm. R. Dougherty, 1610 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; Monaghan & Losse, 3016 Chestnut street, and J. J. Murphy, 4034 Powelton avenue, Philadelphia.

Farm House and Barn (alts. and add.), Newtown Square, Pa. Architects, Stewardson &

Page, 316 Walnut street, Philadelphia. Owners, Dunwood Home, on premises. Stone, 1 story, 31x120 feet, concrete work, slate roof, cement, cork, brick and wood floors. Architects taking bids. Wm. R. Dougherty, 1610 Sansom street, Philadelphia, is figuring.

Residence, Harrisburg, Pa., \$5,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Paul Voorhees, Harrisburg, Pa. Brick, 2 stories, 28x32 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Plans in progress.

Sunday School, Newberry and Philadelphia streets, York, Pa., \$35,000. Architects, Gemmill & Billmeyer, York, Pa. Owners, First United Brethren Church, care of Rev. Long, York, Pa. Stone, brick and steel, 2½ stories, 75x110 feet, slate and tin roof, fan system of hot air heating, electric lighting, hardwood and composition floors, sliding fire doors. Plans in progress.

Home, Elizabethtown, Pa. Owner, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Masonic Lodge of Pittsburgh, Pittsburgh, Pa. Stone, 3 stories. Too early for details. Plans in progress.

Residence, Third and Penn streets, Harrisburg, Pa., \$5,000. Architect, George H. Grove, 416 Walnut street, Harrisburg, Pa. Owner, Benj. C. Brenneman, Harrisburg, Pa. Brick and stucco, 2½ stories, 26x40 feet, slate roof, steam heating, combination lighting, hardwood and tile floors. Architect ready for bids.

Store, North Second street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, C. Ross Boas, Harrisburg, Pa. Reinforced concrete, terra cotta and brick, 2 stories, 26x90 feet, tin roof, steam heating, electric lighting, reinforced concrete and tile floors. waterproofing and dampproofing, reinforced concrete vault, ventilators, marble treads, elevators. Architect taking bids, due September 1st. A. Wildman and John McKelvey, both of Harrisburg, Pa., are figuring.

Residences (2), West Lemon street, Lancaster, Pa., \$7,000. Architect, M. R. Evans, Lancaster, Pa. Owners, The Realty Co., Lancaster, Pa. Brick, 2½ stories, 17x48 feet, slate roof, hot air heating, combination lighting. Owners taking bids.

Barn, Harrisburg, Pa. Architect, J. A. Dempwolf, York, Pa. Owners, State Lunatic Asylum, Dr. Orth, Harrisburg, Pa. Reinforced concrete, 2 stories, 40x110 feet, slate roof, electric lighting. Plans in progress.

Store, Office and Apartment, Lewistown, Pa. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, Walter Fastnet, Lewistown, Pa. Brick and terra cotta, 3 stories, 30x145 feet, slag roof, steam heating, electric

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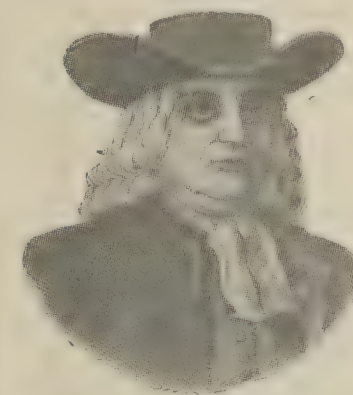
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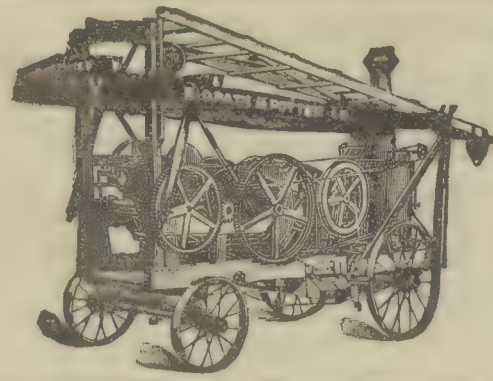
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lighting, tile and hardwood floors. Owner is ready for bids.

Residence, Lewistown, Pa., \$6,500. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, J. C. Prettyleaf, Jr., Lewistown, Pa. Brick and hollow tile, 2½ stories, 40x30 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Owner is ready for bids.

Residence, Landisville, Pa., \$5,000. Architect, J. B. Harman, Lancaster, Pa. Owner,



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H. E. Gotshalk, Lancaster, Pa. Brick, 2½ stories, 36x30 feet, slate roof, hot water heating, electric lighting, hardwood floors, Owen water pressure system. Architect will be ready for bids in about one week. Bids due September 13th.

Bungalow, Conewago Heights, Pa., \$4,500. Architects, Gemmill & Billmeyer, York, Pa. Owner, Henry K. Ottmeier, Conewago Heights, Pa. Frame, 1 story, 54x47 feet, shingle roof,

steam heating, electric lighting. Plans in progress.

Store and Apartments (alt. and add.), 1427 North Third street, Harrisburg, Pa., \$10,000. Architect, George H. Grove, 416 Walnut st., Harrisburg, Pa. Owner, A. Gerber, Harrisburg, Pa. Brick and steel, 3 stories, 20x96 feet, steam heating, tin roof, electric lighting, tile and hardwood floors. Plans in progress.

PENNSYLVANIA

Contracts Awarded

Factory, North Lancaster, Pa., \$45,000. Architect, M. R. Evans, Lancaster, Pa. Owners, Watson Manufacturing Co., Lancaster, Pa. Brick, 1 story, 323x82 feet, slag roof, steam heating, electric lighting, fire doors. Contract awarded to Samuel Bally, Lancaster, Pa.

High School, Ridley Park, Pa., \$80,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Ridley Park, Pa. Brick and terra cotta, 2 stories, 125x70 feet, slag roof, steam

heating, electric lighting, metal lath, ventilators, concrete floors. Contract awarded to Wills-Ludwick & Co., 34 South Seventeenth street, Philadelphia.

Residence (alts.), Strafford, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Alfred Campbell, Strafford, Pa. Stone, 2½ stories, consists of general interior alterations, electric lighting. Contract awarded to George L. Croll, Rosemont, Pa.

NEW JERSEY

Construction News

School Building, Laurel Springs, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Board of Education, Laurel Springs, N. J. Brick, stone trimmings, 2 stories, 87x50 feet (heating, ventilating, plumbing and electric work separate bids). Owners taking bids, due August 23rd at 8 P. M. The following are figuring, in addition to those previously reported: James P. Farrell Co., 1621 Sansom street; George W. Shaner, Palmyra, N. J.; W. A. Richman and Joseph B. Bowen, both of Moorestown, N. J., and Eugene Tourison, 1001 Chestnut street, Philadelphia.

Residence, Vineland, N. J., \$20,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Evan E. Kimble, Vineland, N. J. Brick and hollow tile, 2½ stories, 70x32 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Owner taking bids.

Residences (4), Miller street, Trenton, N. J.,

\$6,000. Architect, private plans. Owner, Samuel Hilton, Forst Richey Building, Trenton, N. J. Brick and frame, 2 stories, 14x30 feet, slate and tin roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Warehouse, Hancock street, Trenton, N. J., \$35,000. Architect, private plans. Owners, John A. Roebblings Sons Co., Trenton, N. J. Brick and steel, 4 stories, 222x60 feet, slag roof, steam heat, electric lighting, steel sash, fire doors. Owners are sub-letting all contracts.

Residences (2), Stuyvesant avenue, Trenton, N. J., \$5,000. Architect, private plans. Owners, Case & Sechrist Co., Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 14x16 feet, slate roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Residences (5), 121 Rosemont avenue, Trenton, N. J., \$12,000. Architect, Wm. P. Endebrock, American Mechanics' Building, Tren-

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ton, N. J. Owner, W. J. Morris, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 15x45 feet, slate and slag roof, hot air heating, gas lighting. Owners are subletting all contracts.

Church, Hammoncton, N. J., \$14,000. Architect, W. P. Endebrook, American Mechanics' Building, Trenton, N. J. Brick and stucco, 1 story, 50x120 feet, slate roof, electric lighting, waterproofing (heating reserved). Architect taking approximate bids.

Electrical Bureau Building, West Hanover street, Trenton. Architect, Wm. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Brick and steel, 2 stories, 64x40 feet, slate roof, steam heating, metal sash, metal doors, electric lighting, reinforced concrete floors, dampproofing. Owners have received bids.

Garage, West Hanover street, Trenton, N. J. Architect, Wm. P. Endebrook, American Mechanics' Building, Trenton, N. J. Owners, City of Trenton, N. J., City Hall, Trenton. Brick and steel, 2 stories, 60x88 feet, slate roof, steam heating, electric lighting, reinforced concrete floors, dampproofing, metal sash, fire doors. Owners have received bids.

Hotel Tower, Atlantic City, N. J., \$1,500,000. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Traymore Tower Co., Atlantic City, N. J. Rein-

forced concrete and brick, 2 stories, 140x150 feet, slag roof, steam heating, electric lighting, cement mackite and wood floors, water-proofing, asphalt paving, cement, hollow tile and terra cotta work, fire doors, metal sash, electric elevators, dumb waiters, kalamcin doors, fire escapes, ventilators. Architects taking bids, due September 5th. Cramp & Co., Denckla Building; Roydhouse-Arey Co., Fidelity Building, and Warren, Moore & Co., Commercial Trust Building, Philadelphia, are figuring.

Glass Factory, Glassboro, N. J. Architects, The De Vore-McGormley Co., Toledo, Ohio. Owners, Whitney Glass Works, Glassboro, N. J. Brick, concrete and steel, 1 story, 410x254 feet, 222x94 feet and 68x187 feet, cement tile roof, metal sash, roof ventilators, wood block floors (heating, plumbing, electric work and sewage disposal system separate bids). Architects taking bids. In addition to those previously reported, H. H. Wehmeyer, 1004 West Lehigh avenue, and Frank Mark Contracting Co., Finance Building, Philadelphia, are figuring.

School (alts.), Woodbury, N. J. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, School Board, Woodbury, N. J. Brick, 2 stories, 45x50 feet, consists of reinforcing walls and new windows. Lowest bidder, F. B. Davis, 240 North Sixteenth street, Philadelphia.

NEW JERSEY

Contracts Awarded

Residences (4), Race street, Trenton, N. J., \$8,000. Architect, private plans. Owners, Atterbury Tract Realty Co., Trenton, N. J. Cement block and frame, 2½ stories, 14x28 feet, slate and tin roof, hot air heating, electric lighting. Contract awarded to Fred T. Walters, Trenton, N. J.

Garage, Clinton avenue, Trenton, N. J., \$2,000. Architect, private plans. Owners, Trenton Potteries Co., Trenton, N. J. Brick, 1 story, 54x34 feet, slag roof, steam heating, electric lighting, concrete floors. Contract awarded to Burton & Burton, American Mechanics' Building, Trenton, N. J.

Boiler House & Stock Room, Adeline street, Trenton, N. J., \$4,000. Architect, H. O. Ziegler, Riverside, N. J. Owners, Wm. F. Taubel,

Inc., Riverside, N. J. Brick, 1 story, 50x50 feet, slag roof, steam heating, electric lighting. Contract awarded to Hugh B. Miller, Edgewater Park, N. J.

Church (restoration), Academy street, Trenton, N. J., \$50,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Trinity Episcopal Church, Trenton, N. J. Stone, hollow tile and terra cotta, 1 story, steam heating, electric lighting, tile floors. Contract awarded to J. H. Morris, Broad Street Bank Building, Trenton, N. J.

Residence, Perdicasis avenue, Trenton, N. J., \$12,000. Architect, private plans. Owner, Louis Cohen, Broad and State streets, Trenton, N. J. Hollow tile and stucco, 2½ stories, 36x40 feet, tile roof, hot water heat-

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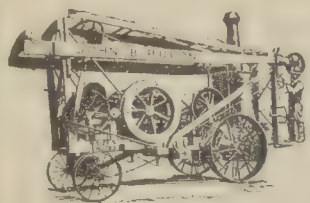
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ing, electric lighting, hardwood and tile floors. Contract awarded to Chas. Y. Barlow, Trenton, N. J.

Residence, Haddonfield, N. J. Architect, Wm. C. Prichett, 416 Walnut street, Philadelphia. Owner, Wm. B. LeDuc, Haddonfield,

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N. J. Frame, 2½ stories, 28x46 feet, stone, brick, cement and concrete work, shingle roof (heating and lighting reserved), cement and tile floors. Contract awarded to Edward Geschke, Haddonfield, N. J.

Residence, Bridgeton, N. J., \$7,500. Architects, Moffett & Stewart, 30 North Third

street, Camden, N. J. Owner, John P. Leap, Penns Grove, N. J. Hollow tile and stucco, 2½ stories, 44x30 feet, slate or tile roof, hot water heating, combination lighting, maple floors, metal lath, waterproofing. Contract awarded to McCloskey & Bahls, Hale Building, Philadelphia.

MARYLAND

Construction News

Residence, Frederick, Md., \$15,000. Architect, Edward Leber, York, Pa. Owner, Hon. Jacob Rohrback, Frederick, Md. Brick and hollow tile, 2 stories, 60x50 feet, two wings, slate or tile roof (heating reserved), electric lighting, hardwood and tile floors, dampproofing. Owner ready for bids.

Office Building (alts.), Liberty and Lexington streets, Baltimore. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owners, Consolidated Gas, Electric Light and Power Co., on premises. Consists of general interior alterations, new electric work, plumbing. Plans in progress.

Residence, Relay, Md., \$30,000. Architect, Lawrence H. Fowler, 347 North Charles street, Baltimore. Owner, Howard Bruce, care Bartlett, Hayward & Co., Scott and McHenry sts., Baltimore. Brick or hollow tile, 2½ stories, slate roof, electric lighting. Plans in progress.

Residence, West Arlington, Md., \$5,000. Architect, private plans. Owner, J. F. Wenchel, 4759 Park Heights avenue, West Arlington, Md. Frame, 2½ stories, shingle roof, electric lighting. Plans about completed. Owner will take bids.

Morgue, Baltimore, Md., \$6,000. Architect, private plans. Owners, City of Baltimore, City Hall, Baltimore, Md. Concrete, refrigerating apparatus, plumbing, etc. Plans completed. Owners will advertise for bids in a few days. Plans may be obtained from J. J. Byrne, Building Inspector, City Hall, Baltimore, Md.

Comfort Station and Shed, Callow avenue terminal on Park avenue, Baltimore. Architect, Francis E. Tormey, Gunther Building, Baltimore, Md. Owners, United Railways, Baltimore, Md. Brick and concrete, 1 story, 90x51 feet, slag roof, electric lighting, cement floors, plumbing, galvanized iron, marquise. Architect has received bids.

Residences (30), Brooklyn, Baltimore, Md. Architects, J. H. & F. J. Thuman, 2508 North Charles street, Baltimore. Owners, Frank Furst Realty Co., Fidelity Building, Baltimore, Md. Hollow tile and stucco, 2 stories, slate roofs, steam heating, electric lighting. Architects taking bids. Ignatius Smith, 2207 Roslyn avenue, and C. W. Littleton & Son,

4313 Liberty Heights avenue, Baltimore, Md., are figuring.

Dwelling (alts.) and Garage, 200 Goodwood Gardens, Baltimore, Md. Architects, Ellicott & Emmart, Union Trust Building, Baltimore, Md. Owner, B. W. Corkran, Jr., care of Corkran-Hill Co., Union Abattoir, Baltimore, Md. Stone, 2 stories, 26x42 feet, steam heating, electric lighting, concrete floors, plumbing. Architects taking revised bids. Gladfelter & Chambers, Thirty-sixth street and Roland avenue, and Cowan Building Co., 106 West Madison street, Baltimore, Md., are figuring.

Garage, Lovegrove alley and Charles street, Baltimore, Md. Architects, Smith & May, Calvert Building, Baltimore, Md. Owner, Robert M. Stein, 408-10 North Calvert street, Baltimore, Md. Reinforced concrete and brick, 3 stories and basement, 33x90 feet, tile, tin and slag roof, steam heating, concrete floors, plumbing. Consolidated Eng. Co., Calvert Building, Baltimore, Md., taking sub-bids on all lines.

Office Building, Sparrows Point, Md. Architect, private plans. Owners, Baltimore Sheet and Tin Plate Co., care of Bethlehem Steel Co., South Bethlehem, Pa. Brick, 1 story, 41x90 feet, terra cotta trimmings, asbestos or slag roof, concrete floors, hollow tile, steel sash and partitions, tile work. Contract awarded to Henry Smith & Sons Co., Light and German streets, Baltimore, Md.

Storage Warehouse, Wilmington, Del. Architect, J. D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, Security Storage and Warehouse Co., care of W. B. Austin, 1404 Pennsylvania avenue, Wilmington, Del. Brick and concrete, 5 stories, 130x45 feet, slag roof, tile work, steel sash, fire doors (heating, electric work, elevators reserved). Architect taking bids, due August 31st. The following are figuring: John N. Gill & Co., Heed Building; Ketcham & McQuade, 1029 Brown street; Pomeroy Const. Co., 1609 Ranstead street, Philadelphia, and J. A. Bader & Co., and A. S. Reed & Bro. Co., both of Wilmington, Del.

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Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Pennsylvania Realty and Const. Co. (O and C), Ogontz above Cheltenham avenue. Cost, \$35,500. Eleven dwellings, brick, 2 stories, hot water heating, slag roof, 64x50 feet, Stenton avenue and Limekiln pike.

C. Wilson McNeely (O), 6408 Church street. Alfred James (C), Union and Birch streets. Cost, \$2,500. Garage and dwelling, stone, 2 stories, steam heat, shingle roof, 26x24 feet, 6408 Church street.

John J. Hurley (O and C), 4416 Cresun street. Cost, \$9,600. Four dwellings, stone and brick, 2 stories, hot water heat, tin roof, 15x38 feet, south side of Manasslesy street.

Levine (O), 6128 Nassau street. N. Johnson (C), 4039 Lancaster avenue. Cost, \$800. Garage, brick, 1 story, slag roof, 15x20 feet, 6128 Nassau street.

Adam Schneider (O), 3439 Almond street. Frank Boffa (C), 3131 Tillan street. Cost, \$1,500. Dwelling, brick, 2 stories, hot air heating, slag roof, 14x47 feet, 3358 Mercer street.

Church Holy Apasilla (O), Twenty-first and Christian streets. Frank E. Wallace (C), 1220 Chancellor street. Cost, \$125,000. Church, stone, 1 story, steam heating, slag roof, 72x160 feet, Sixty-first and Spruce streets.

F. G. Hearing (O and C), 44 Queen street. Cost, \$4,000. Garage, brick, 1 story, slag roof, 13x21 feet, 451 Queen street.

Samuel Reed (O and C), 6215 Park avenue. Cost, \$5,800. Dwelling, brick, 2½ stories, hot water heat, slag roof, 28x49 feet.

Pennsylvania Taximeter Concern (O), 1407 Locust street. Cramp & Co. (C), Denckla Building. Cost, \$34,600. Auto service building, brick, 9 stories, slag roof, 89x89 feet, 329 South Broad street.

Mrs. Fogel (O and C), 706 South Fourth street. Dwelling, 1 story, and building, 3 stories, steam heating, slag roof, 15x54 feet, Fourth and Pemberton streets.

J. S. Silver (O and C), 1912 East Oreland street. Eighteen dwellings, 2 stories, hot water heat, slag roof, 15x36 feet, north side of Tioga street.

George J. Hermann (O and C), 430 Duncannon street. Cost, \$9,000. Four dwellings, brick, 2 stories, 14x29 feet, hot water heating, Olney avenue and Palethosy street.

Archibishop Prendergast (O), Eighteenth and Race streets. W. J. McShane (C), 417 South Thirteenth street. Cost, \$9,000. Fire tower, addition and alterations, Eighteenth and Fednan streets.

A. S. Tourison (O and C), 7014 Boyer street. Cost, \$14,500. Dwelling, brick, 3 stories, 28x44 feet, hot water heating, Chew and Ledgnorch streets.

Philadelphia and Reading R. R. Co. (O), Reading Terminal. F. W. Van Loon (C), Denckla Building. Cost, \$45,000. Warehouse, brick, 3 stories, 80x60 feet, Delaware River and Cambria street.

C. W. Webb (O), Delaware and Chestnut streets. Irwin & Leighton (C), 126 North Twelfth street. Cost, \$400,000. Warehouse, brick, 9 stories, 152x152 feet, steam heating, Delaware avenue to Water street.

F. Barfoot (O), Penn street, Frankford. M. C. Rodgers (C), 7733 College street. Cost, \$8,000. Dwelling, brick, 3 stories, 16x52 feet, hot water heat, Wakeling and Sane streets.

Barnet Saidel (O and C), 1611 South Eighth street. Fifteen dwellings, brick, 2 stories, 16x31 feet, hot water heat, Eleventh and Wyoming.

James S. Larzelere (O and C), 1132 Land Title Building. Cost, \$115,400. Forty-seven dwellings, brick, 2 stories, 16x30 feet, hot water heat, Cayuga and Marshall streets.

William A. Lechner (O and C), 4806 Caston avenue. Cost, \$21,000. Six dwellings, brick, 2 stories, 16x50 feet, hot water heat, south side of Foulkerod street.

Philadelphia Storage Battery (O), C and Ontario streets. Stewart Bros. (C), 2528-30 North Orkney street. Cost, \$40,000. Dwelling, brick, 2 stories, 219x100 feet, steam heating, C and Ontario streets.

Charles Wacker (O), Twenty-eighth and Cambridge streets. Otto Malz & Son (C), 2108 North Lawrence street. Cost, \$2,300. Dwelling, brick, 2 stories, 16x42 feet, hot air heating, 1327 Marston street.

Keller Bros. (O and C), 480 Harmon road. Cost, \$2,200. Dwelling, brick, 2 stories, 15x40 feet, hot water heat, Lilnerwood street.

Jacob B. Edelstein (O and C), 333 Heed Building. Cost, \$7,200. Four dwellings, brick, 2 stories, 14x40 feet, hot air heat, south side of Dupont street.

Max Filgen (O), 1039 North Fourth street. Louis Browning (C), 4933 North Fifth street. Cost, \$3,900. Dwelling, brick, 2 stories, 25x155 feet, hot water heat, Erd and Clarkson avenue.

John Kennedy (O), 1001 Chestnut street. Charles Swartz (C), 5703 Chestnut street. Cost, \$6,000. Storage house, brick, 2 stories, 20x93 feet, steam heat, 453 North Marshall street.

Ferris Shoe Co. (O), Cleveland, Ohio. Lincoln L. Smith (C), Hale Building. Cost, \$58,000. Factory and power house, brick, 4 stories, 122x250 feet, Janey and Weket street.

J. Gluny (O and C), 7329 Rising Sun avenue. Cost, \$1,600. Two dwellings, brick, 2

stories, 14x44 feet, hot water heat, Palmerton and Fleigh street.

William Margerison (O), 5229 North Front street. Alfred Sternhouser (C), 5424 Fifth street. Cost, \$10,000. Dwelling, brick, 2 stories, 34x20 feet, hot water heat, Rising Sun lane.

Alterations and Additions

Conrad Spaeth (O), 1147 Windrim avenue. J. Cauberry (C), 1968 Medlas avenue. Cost, \$500. Garage, brick, 1 story, 11x25 feet, 1147 Windrim avenue.

W. H. Tetlow (O and C), 1236 South Fifty-eighth street. Cost, \$1,000. Storage house, brick, 1 story, 17x62 feet, Fifty-seventh and Woodland avenue.

A. Mohlern Association (O), 922 South Fourth street. Sherman Kline (C), 636 Mifflin street. Cost, \$3,000. Store, alterations and repairs, 920 South Fourth street.

Simon Bassett (O), 1112 Chestnut street. Gen. Cortg. Co. (C), 931 Drexel Building. Cost, \$400. Garage, brick, 1 story, 12x18 feet, Lincoln avenue.

Surpas Leather Co. (O), Ninth and Westmoreland streets. G. Kessler Contracting Co. (C), Drexel Building. Cost, \$25,000. Shipping department, brick, 1 story addition, 66x156 feet, Tenth and Westmoreland streets.

Mrs. Knight (O), 3650 Frankford avenue. F. Dutrich (C), 1828 East Schill street. Cost, \$600. Garage, brick, 1 story, 16x24 feet, 3650 Frankford avenue.

Abbott's Dairy (O), Thirty-first and Chestnut streets. Monaghan & Losse (C), 3016 Chestnut street. Cost, \$5,900. Dairy, interior alterations, Thirty-first and Chestnut streets.

Sarah Tobez (O), Sixteenth and Oregon avenue. Palerson Bros. (O), Camden, N. J. Cost, \$340. Saloon, hot water heating system, Sixteenth and Oregon avenue.

Pennsylvania Railroad Co. Y. M. C. A. (O), Forty-first and Westminister avenue. Bain & Sample (C), 1708 Arch street. Cost, \$585. Club house, low pressure steam heating plant, Forty-fourth and Parkside avenue.

Pennsylvania Railroad Co. (O), Broad Street Station. Roydhouse-Arey Co. (C), 112 North Broad street. Cost, \$20,000. Building, heating and pumping plant, alterations, Reed street, west of Delaware avenue.

Pennsylvania Railroad Co. (O), Broad Street Station. Roydhouse-Arey Co. (C), 112 North Broad street. Cost, \$2,000. Seal house, brick, 1 story, 29x8 feet, Reed street yard, Delaware River.

William S. Thomas (O), 4151 Market street. A. J. Wilson (C), 35 South Forty-fifth street. Cost, \$325. Store and dwelling, new flush bulks, repairs, 1991 North Sixty-third street.

P. Woll & Sons Mfg. Co. (O), Hancock and Baker street. Fred Bauer (C), 1826 East Willard street. Cost, \$1,400. Manufacturing building, install 75 H. P. portable boiler, Hancock and Baker streets.

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DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

John Lang Paper Co. (O), Twenty-fourth and Vine streets. William Eddleman (C), 453 Green lane. Cost, \$20,000. Boiler house, brick, 1 story, 45x90 feet, Twenty-fourth and Vine streets.

Alan Smith (O and C), 2135 North Sixty-third street. Cost, \$2,500. Garage, brick, 1 story, 27x28 feet, 2035 North Sixty-third street.

L. D. Lanett (O), 46 East Sedgwick street. L. W. Kitseho (C), 125 East Upsal street. Cost, \$1,500. Garage, brick, 1 story, 22x30 feet, 46 East Sedgwick street.

Joseph Byrne (O and C), 326 Delmare. Cost, \$500. Garage, stone, 1 story, 30x24 feet, 638 Brinston street.

George Shaffer (O), 1953 North Twentieth street. Hugh Hazlett (C), 1701 North Twentieth street. Cost, \$1,500. Store and dwelling, interior alterations, 2932-34 Ridge avenue.

Dr. Knight (O), 5515 Media street. John N. Gill (C), 1215 Filbert street. Cost, \$450. Dwelling, repair fire damage, 5515 Media street.

Wurlenburg Ulanor (O), 1118 North Third street. Otto Manwald (C), 2012 North Eleventh street. Cost, \$1,500. Meeting room, brick, 1 story, 19x13 feet, 1118 North Third street.

Michael Christ (O), Faulkerod and Hancock streets. J. Mathis Son (C), 4412 Wingohocking avenue. Cost, \$650. Garage, brick, 1 story, 11x20 feet, Hancock and Faulkerod streets.

J. R. McAllister (O), Chestnut Hill. J. Cornell (C), 239 Land Title Building. Cost, \$2,000. Residence, brick, 2nd story, 17x14 feet, Seminole avenue and Hartwell lane.

A. Jahoby (O and C), 3122 Kensington avenue. Cost, \$500. Shop, brick, 2 stories, 37x16 feet, 3122 Kensington avenue.

Dr. Henry Wadsirole (O), 3914 Baltimore avenue. T. S. Johnson Son Co. (C), 622 Cherry street. Cost, \$650. Dwelling, low pressure heating system, 3941 Baltimore avenue.

Dill & Collins Co. (O), Richmond and Tioga streets. Wm. Steele & Son (C), Seventeenth and Arch streets. Cost, \$12,000. Pulp mill, brick, third-story addition, 85x30 feet, Tioga and Cooper streets.

T. W. Evans & Son (O), 4523 Paul street. Thomas Summerfield (C), 4773 Worth street. Cost, \$1,500. Toilet rooms, brick, 3 stories, 9x10 feet, 4523 Paul street.

Harry Goodman (O), 426 Ritner street. M. Losse (C), 813 Winton street. Cost, \$975. Store, new flush bulks, alterations, 643 Porter street.

The Rosenback Galleries (O), 1320 Walnut street. Freund Seidenbach (C), 307 Bulletin Building. Cost, \$11,000. Store, brick, 1 story, 44x18 feet, alterations, 1320 Walnut street.

E. E. Hanson (O), 6614 North Eleventh street. C. E. Lloyd (C), 8 South Sixty-sixth street. Cost, \$500. Garage, frame, 1 story, 12x20 feet, 6614 North Eleventh street.

John Gallatig (O), 315 West Diamond street. Aug. Arzheimer (C), 600 West Lehigh street. Cost, \$500. Store, flush bulk, alterations, 315 West Diamond street.

J. B. & S. Association (O), Mailire Life Building. Joseph Levin Co. (C), 1530 South Sixth street. Cost, \$650. Factory, interior alterations, northeast corner Lehigh avenue.

Manor Sunday School (O), Harrison Building. John W. Kohl (C), 38 North Broad street. Cost, \$5,000. Church purposes, frame, 1 story, 26x40 feet, Thirty-second and Midvale avenue.

R. A. Heyman Bros. (O), Widener Building. Isaac T. Shoemaker (C), 1324 Walnut street. Cost, \$16,000. Warehouse, brick, 2 stories, 90x80 feet, alterations, 810 North Broad street.

Joseph Loev (O), 2904 Richmond street. L. M. Shestarek (C), 3221 Dickinson street. Cost, \$2,500. Store and dwelling, brick, 1 story, 13x25 feet, flush bulks, 2904 Richmond street.

Friends' Hospital (O), Frankford. R. C. Ballinger (C), 218 North Thirteenth street. Cost, \$3,500. Office, brick, 1 story, 18x49 feet, repairs, Frankford.

M. L. Middleberg (O and C), 101 North Sixtieth street. Cost, \$500. Garage, brick, 1 story, 60x30 feet, 614-16-18 Vine street.

Joseph Rergieve (O), Twelfth and Montrose streets. A DeMarco (C), 1221 Christian street. Cost, \$700. Dwelling, interior alterations, 1130-1132 Montrose street.

Joseph J. Wolf (O), 1902 South street. Ike Gold (C), 1911 South Fifth street. Cost, \$600. Store and dwelling, flush bulks, alterations, northeast corner of Fifteenth and Bainbridge streets.

Joseph J. Wolf (O), 1902 South street. Ike Gold (C), 1911 South street. Cost, \$300. Store and dwelling, flush bulks, alterations, 1441 Bainbridge street.

Aschman Bros. (O), Second and Bristol streets. Sunderheim & Burnham (C), Philadelphia. Cost, \$1,500. Plants, frame, 1 story, 28x15 feet, repairs, northwest corner Bustleton avenue.

Tamlemson Sisters (O), 3711 Spruce street. A. G. Steffer (C), 4601 Woodland avenue. Cost, \$400. Restaurant, brick, 1 story, 16x60 feet, 3704 Spruce street.

Mardiros S. Papajian (O), 5602 Catherine street. Y. C. Ladjiam (C), southeast corner of Seventh and Vine streets. Cost, \$800. Dwelling, interior alterations, 5602 Catherine street.

J. Wolf (O and C), 2039 Sedly avenue. Cost, \$325. Dwelling, hot water system, 2039 Sedly avenue.

Ferris Shore Co. (O), Cleveland, Ohio. Lincoln H. Smith (C), Hale Building. Cost, \$7,000. Power house, brick, 1 story, 50x50 feet, Janneg and Monmouth streets.

Archbishop of Philadelphia (O), Eighteenth and Race streets. W. W. Doyle (C), 878 North Forty-sixth street. Cost, \$400. Asylum, interior alterations, 4410 Wallace street.

James J. Quigley (O), 1342 Ridge avenue. J. Daniels (C), 252 South Juniper street. Cost, \$300. Shop and garage, alterations, 1308 Wallace street.

R. Krevitz (O), 3929 North Fifth street. E. B. Miller (C), 4309 North Ninth street. Cost, \$350. Shop, alterations and repairs, Rising Sun avenue.

J. E. Helinek (O), 112 West Girard avenue. James Ramboir (C), 1226 North Eighth street. Cost, \$1,000. Store, brick, 2 stories, 10x24 feet, 114 West Girard avenue.

Sydney Hutchinson (O), 1718 Walnut street. J. Sims Wilson (C), 1125 Brown street. Cost, \$5,000. Dwelling, alterations and repairs, 1718 Walnut street.

Dr. McQuillan (O), 2048 Upland Way. Chas. C. Pace (C), Merion. Cost, \$2,100. Garage, hollow tile, 1 story, 27x22 feet, 2048 Upland Way.

D. Newman (O), 4562 Merion. Stites & Stites (C), 2500 Poplar street. Cost, \$1,500. Junk shop, third-story addition, 22x60 feet, 4558 Merion avenue.

S. Newmayer (O), 719 North Second street. S. Lashner (C), Fifth and Morris streets. Cost, \$350. House, alterations, 719 North Second street.

W. F. Wallens (O), 208 East Mount Airy avenue. Robert Chaisly (C), 101 West Mount Airy avenue. Cost, \$1,200. Garage, brick, 1 story, 50x66 feet, 208 East Mount Airy avenue.

Wm. Sentry (O), 2714 Pratt street. M. Marsten (C), 3931 North Sixth street. Cost,

\$1,500. Garage, 1 story, iron, 8x16 feet, Hawthornth street.

American Brazel Concern (O and C). Cost, \$1,200. Power house, brick, 1 story, 18x22 feet.

Abe Rice (O), 607 Pine street. S. Perelstein (C), 622 North Eighth street. Cost, \$1,900. Workshop, repair fire damage, 607 Pine street.

S. Beraan (O), 1223 Chestnut street. J. Newman (C), 1029 Jackson street. Cost, \$400. Store, alteration and repairs, 1223 Chestnut street.

Philadelphia Ten. Mch. Co. (O), Hancock and Somerset streets. Day & Zimmer (C), 688 Drexel Building. Cost, \$1,000. Coal pocket, alterations, Sixth and Tabor road.

F. B. Schenkel (O), Wheatsheaf lane. Cunningham (C), 4328 Paul street, Frankford. Cost, \$300. Stable, frame, 1 story, 16x21 feet, Wheatsheaf lane.

Henry Korn (O), 2022 South Seventh street. Joseph Udowsky (C), 2023 South Seventh street. Cost, \$400. Store, brick, 1 story, 12x18 feet, 2030 South Seventh street.

Wm. Margerison (O), 5229 North Front street. Simon & Bassett (C), 1112 Chestnut street. Cost, \$1,500. Garage, brick, 2 stories, 22x25 feet, northwest corner of Rising Sun lane.

Abbis B. Pagan (O), Park and Nedin avenue. L. Davis (C), Thirteenth and Nedin avenue. Cost, \$1,760. Store and dwelling, interior alterations, corner Park and Nedin avenue.

N. Seidman (O and C), 1341 South Fourth street. Cost, \$300. Store, new flush bulks, Seventeenth and Manton streets.

A. Green (O), 2555 East Clearfield street. M. Bakst (C), 1540 North Sixth street. Cost, \$300. Store and dwelling, alterations and repairs, 2555 East Clearfield street.

J. Gulmau (O), 931 North Twelfth street. M. Bakst (C), 1540 North Sixth street. Cost, \$1,000. Store and dwelling, brick, 1 story addition, 12x12 feet, 931 North Marshall street.

Ellis Dishersky (O), 6026 Germantown avenue. Philip Goodman (C), 2540 South Third street. Cost, \$850. Store, new bulk alterations, 5028 Germantown avenue.

St. Thomas' School (O), Eighteenth and Morris streets. Danehe Paving Co. (C), 2622 Parrish street. Cost, \$2,700. School, reinforced concrete stairs, Eighteenth and Morris streets.

W. T. Harris (O and C), Narberth, Pa. Cost, \$890. Dwelling, hot water heating, 134 South Thirty-fourth street.

Temple University (O), 1811 North Broad street. E. Bickenshaff (C), 5110 Brown street. Cost, \$4,000. Rooming house, general alterations and addition, 1811 North Broad street.

M. Wame (O), 509 Woodland avenue. Jos. Scott (C), 3933 North Eighth street. Cost, \$400. Dwelling, new bath room, 509 Woodland avenue.

Weightman Estate (O), 1524 Chestnut street. James Talley (C), 1931 Market street. Cost, \$1,800. Hotel, alteration and repairs, Twenty-second and Chestnut streets.

Mrs. F. Ehrett (O), 1509 Fairmount avenue. E. A. Heffner (C), 6361 Jefferson street. Cost, \$1,200. Dwelling, flush bulks, alterations, 1509 Fairmount avenue.

B. & F. W. Persior (O), 421 Orianni street. Fred English (C), 1608 North Carlisle street. Cost, \$800. Manufacturing building, repair fire damage, 421 North Orianni street.

George Gelbachst (O), 25 South Sixteenth street. Cyons Borgner (C), 232 North Twenty-third street. Cost, \$2,000. Manufacturing building, repairs and alterations, 232 to 238 North Twenty-third street.

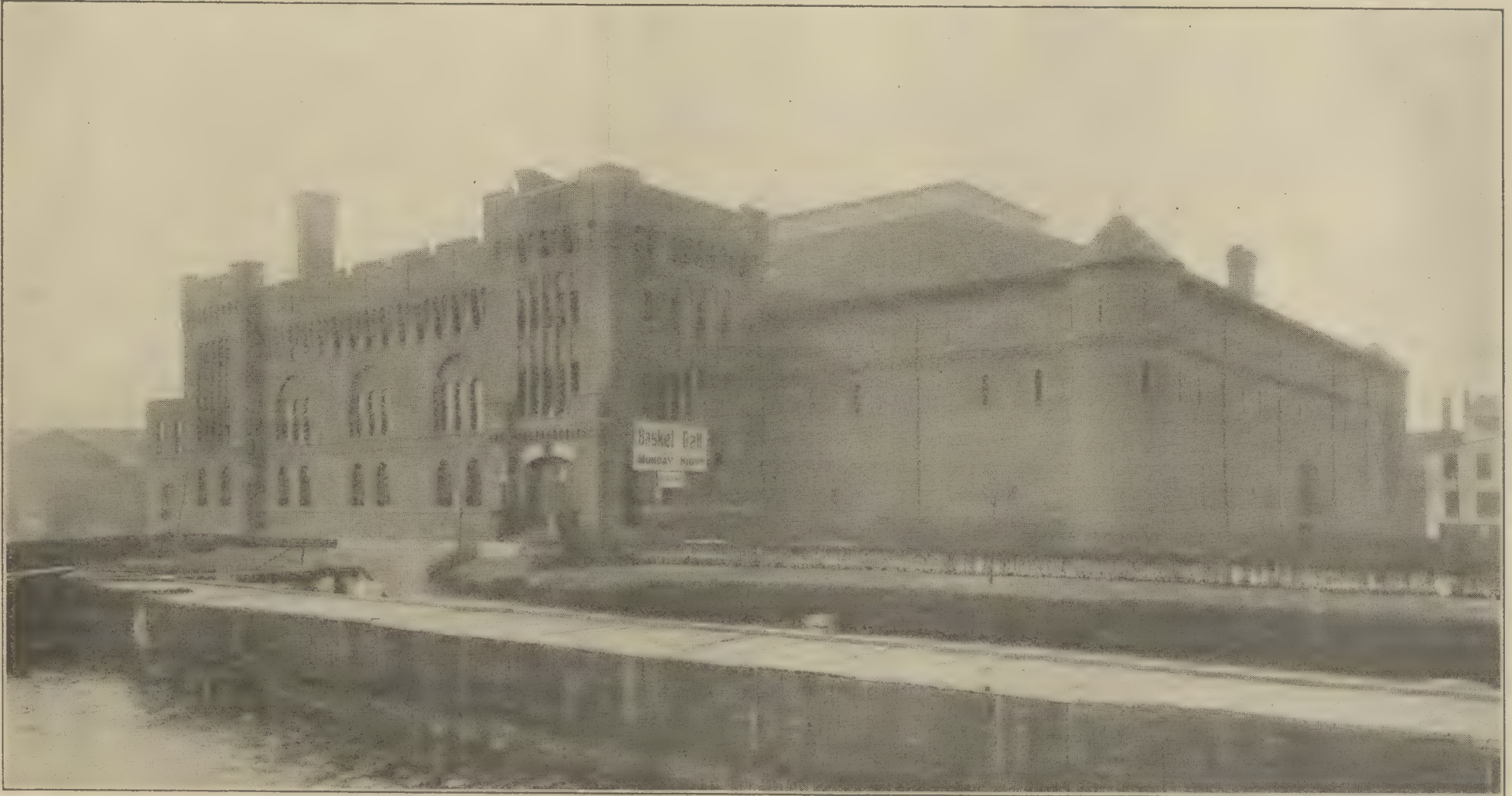
Robert Brenghurst (O), 3410 Baring street.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

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SAUMS PRESERVATIVE



SECOND REGIMENT ARMORY, TRENTON, N. J.

In 1910 the floor boards of the Drill Hall were greatly warped and dry rot had started on the underside. The floor was treated on the surface with SAUMS PRESERVATIVE and the warping entirely eliminated. After six years use the surface is smooth and level, and recent tests show that there has been no increase in the dry rot.

This is another proof that "Saums Has Stood the Test of Time."

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THE SAGENDORPH CO., Inc.

N. E. Cor. 24th and Walnut Streets, Philadelphia, Pa.

Charles J. A. Platt (C), 1015 Arch street. Cost, \$1,200. Garage, brick, 1 story, slag roof, 18x22 feet, 3410 Baring street.

Edna Hawran (O), 3701 Chestnut street. A. G. Sleffen (C), 4601 Woodland avenue. Cost, \$4,000. Dwelling, brick, 1 story rear, slag roof, 18x36 feet, 3337 Woodland avenue.

James Bromley (O), south side of Adams avenue. George Therrk (C), 4104 Orchard street. Cost, \$2,000. Wash house, brick, 1 story, slag roof, 34x133 feet, south side of Adams avenue.

Dr. Leslie Craner (O), 1701 West Erie avenue. Henry Schneider (C), 3713 York road. Cost, \$750. Store and dwelling, interior alterations, new bulks, 1701 West Erie avenue.

Marie Seibel (O), 1712 Chestnut street. F. A. Havens (C), 845 North Nineteenth street. Cost, \$2,000. Store, brick, 1 story, slag roof, 12x48 feet, 1712 Chestnut street.

Keel & Abel (O), 1635 North Marshall street. J. Copeland (C), 1645 North Eighth street. Cost, \$1,600. Public dance hall, interior alterations and repairs, Columbia and Franklin street.

P. & P. Ryles (O and C), Twelfth and Market streets. Cost, \$1,025. Offices, brick, 1 story, 5x30 feet, Fairmount avenue, west of Darien.

H. P. Johnson (O and C), 4039 Lancaster avenue. Cost, \$600. Garage, brick, 1 story, slate roof, 11x20 feet, 1041 Wynnewood road.

A. Heorwitz (O), Twenty-third and Cal-lowhill streets. Charles Glasshofer (C), 1119 Germantown avenue. Cost, \$305. Store and dwelling, new flush bulks, 711 North Twenty-third street.

Mrs. Fredericks (O), Chellenham avenue. Abesto Crete Building Co. (C), 1927 Market street. Cost, \$450. Garage, iron and asbestos roof, 16x20 feet, south side of Chellenham avenue.

W. A. McCausland (O), 2930 Ridge avenue. Frank Wintz (C), 1618 North Twenty-seventh street. Cost, \$2,500. Store and dwelling, brick, 1 story, 40x32 feet, 4426-58 Frankford avenue.

H. C. Swartley (O), 514 Market street. P. DeLoos (C), 1017 Chestnut street. Cost, \$2,500. Store, interior alterations and repairs, lighting, 514 Market street.

H. Tulson (O), 1718 Susquehanna avenue. P. Sarar (C), 718 Snyder avenue. Cost, \$600. Two stores, brick, 1 story, slag roof, 10x12 feet, 2437-39 North Twenty-ninth street.

Watson Alcott Co. (O), Eighteenth and Washington avenue. A. H. Prentzel (C), Johnson and Sherman streets. Cost, \$750. Building lumber shed, 1 story, 52x100 feet, Fifty-second and Lancaster avenue.

BARRETT TWENTY YEAR GUAR- ANTY BOND.

The new Barrett Specification dated May 1st, 1916, contains a twenty year guaranty bond which is issued by the U. S. Fidelity and Guaranty Company of Baltimore. In putting this new specification upon the market, the Barrett Company is giving architects, engineers and owners the benefit of their experience in laying Barrett Specification roofs properly. Where the work is properly done, a Barrett Specification roof will last twenty years without repairs. There are restrictions in the specification and where these are complied with, the guaranty will be given without charge on all Barrett Specification roofs of 50 squares or more in the United States and Canada in towns of 25,000 and over and

in smaller centres where the Barrett inspection service is available. It is also provided that the roof is to be laid by a roofing contractor satisfactory to the Barrett Company who will do the work in accordance with the Barrett Specification of May 1st, 1916. The Barrett Company will furnish lists of roofing contractors who have agreed to work with them under this new guaranty bond plan.

Prof. H. F. Moore has written an article on the Webb strength of I-beams and girders which appears in the March, 1916, issue of the "Journal of the Western Society of Engineers." He recites a number of tests and illustrates his article by illustrations from photographs and diagrammatical drawings. In discussion, Prof. Moore said that the results of the tests confirmed current practice in the design of I-beams and girders. Nevertheless, the article is one which will be interesting reading to many designers of steel.

WATERPROOF, CLEANABLE WHITEWASH.

One pound of glue is dissolved in 3½ pints of water. To this is subsequently added three ounces of bichromate of potash dissolved in half a pint of hot water. These two ingredients are thoroughly mixed, and enough whitening then added to secure the right consistency. The mixture is applied to walls or roofs in the usual manner, and dries rapidly, while the action of the sun upon the potash and glue serves to render it waterproof.

Such a whitewash is available for a variety of applications, both exterior and interior. It adheres firmly to slate, glass, metal, masonry, or plaster, care being taken, if on plaster, to rub it well in with the brush. It not only affords an excellent protection from the effects of the sun's rays in hot weather, but acts as an admirable waterproofing to walls exposed to driving rains. When desired, it can be cleaned with a hose and cold water, or washed with a sponge.

BUILDING STATE ROADS.

Fully six hundred miles of State and county roads are being constructed annually in the State of Washington in line with its good roads policy of being prepared to link up with the surrounding States on the transcontinental highways. Much of this road building is very expensive, some of the mountain highways costing \$5,000 a mile for the clearing alone, not including the grading. The maximum grade of all roads throughout the State has been fixed at 5 per cent., thereby making them not only usable for ordinary traffic, but practicable for heavy traffic as well. It is expected that the mileage this year will exceed that of last, which was approximately six hundred, built by the State and counties at an expenditure of more than \$9,000,000. The regular annual automobile license tax, collected by the State on a horsepower basis, approximates \$400,000 this year.

TEST CONCRETE BRIDGES.

The Federal Office of Public Roads has begun a series of tests to determine the amount of load that can be sustained by concrete bridges of the type used in all parts of the country to span culverts and small streams. An interesting test was made recently at the Arlington experimental farm of the Department of Agriculture. The platform of the bridge measured 16 feet wide and 32 feet long. It consisted of a solid slab of reinforced concrete 10 inches thick, and was supported by concrete abutments about four feet from the ground. The concrete slab was reinforced by three-quarter inch iron rods about eight inches apart extending across it. In the test hydraulic pressure was brought to bear on a point in the center of the platform. It was not until the pressure had amounted to 90,000 pounds that the concrete slab cracked. A pressure of 84,000 pounds was exerted until the center of the span had been depressed about eight inches, and yet the platform did not entirely give way.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

STUDY THE ADVERTISING PAGES.

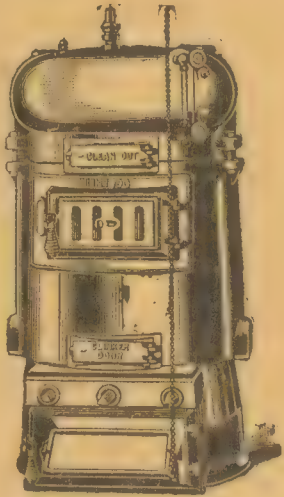
The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

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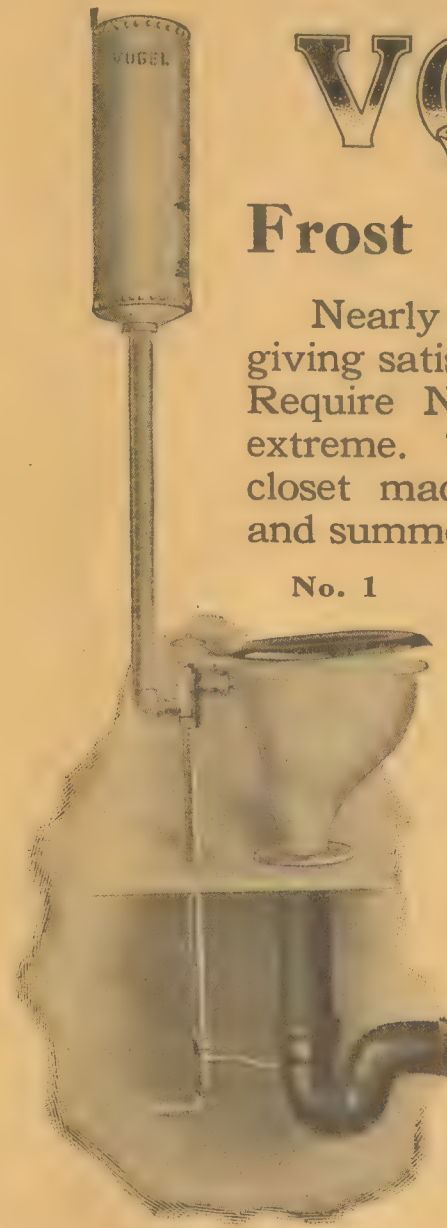
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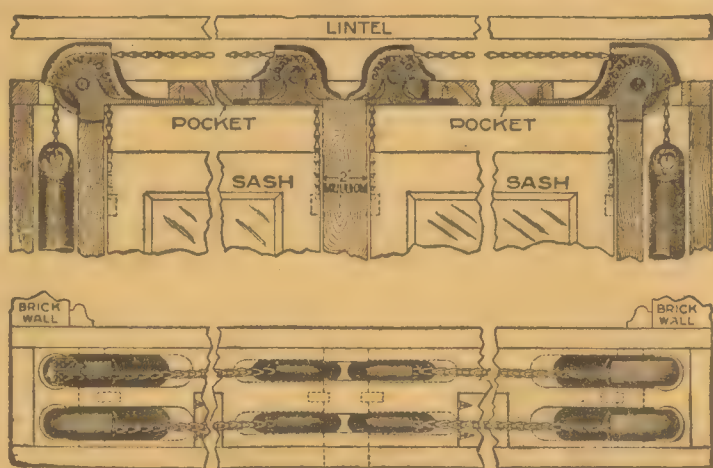
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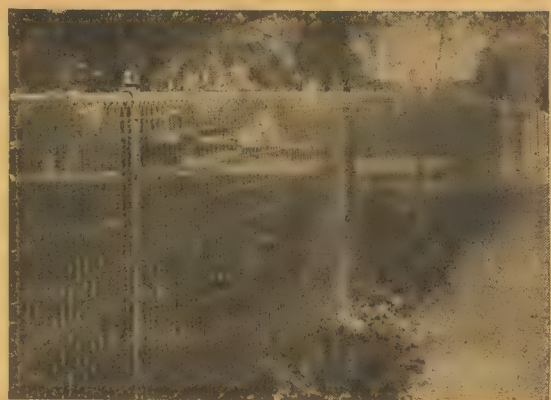
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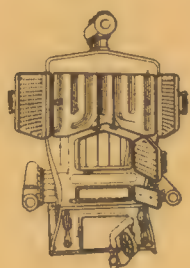


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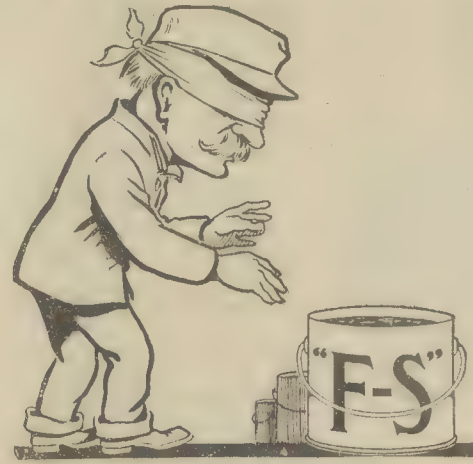
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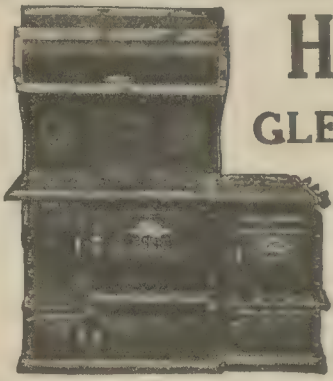
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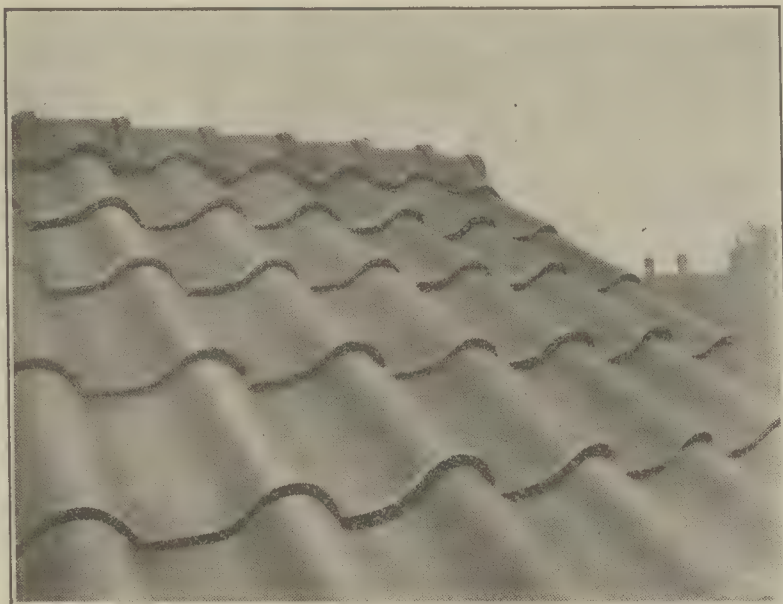
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Keep out Dust.

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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

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As The Editor Sees It



ACCORDING to statistics gathered by *The Automobile* there are over 3,000,000 automobiles in use in the United States to-day. Three States now have over 200,000 cars apiece—New York, Ohio and Illinois. Eleven States have each over 100,000 cars. Pennsylvania is credited with 189,082 machines. What have these figures to do with building? A whole lot. With operative and investment building at any rate. They serve notice on the man who is building to sell or rent that he is missing a trick if he fails to equip his operation with garage facilities. We have in mind as we write a builder who has a block of decidedly attractive \$5,000 houses on his hands, every one of which he tells us he could have sold with ease had this question of accommodation for the automobile not been overlooked.

The automobile has passed the fad stage of its development. It has become a necessity of modern living. Its price has gotten down to a figure at which it is within the reach of the class of people who buy and who rent operation houses. The wise builder of to-day figures on a private garage to every house with means of access thereto. The builder who overlooks the growth of the automobile misses one of the best of present-day selling arguments. This isn't mere hearsay. These here statistics quoted speak for themselves.

* * *

AN increase, during August, of more than a million dollars in building here in Philadelphia over the returns for July, go to show that there is no let-up in building activity so far as little old Philadelphia is concerned. The figures for the month cover 1,247 building operations for which 783 permits were issued. The total of expenditure was \$4,472,130 as opposed to \$3,101,385 for the preceding month. While the to-

tal of operations for the month shows a falling off as compared with August of 1915, the value of the operations registers an increase of \$500,000.

During the first eight months of this year 5,965 permits were issued for 10,863 operations that cost \$32,627,125. In the same months last year there were 6,623 permits granted for 12,797 operations, costing \$26,719,955.

Following is a summary of building work for August:

Character.	Est. Cost
Dwellings two story	\$1,429,500
Dwellings, three story	93,800
Dwellings, four story	12,200
Dwellings, frame	6,200
Stable	6,500
Manufactories	123,000
Workshops	63,600
Garages	166,860
Office buildings	1,800
Stores	978,445
Warehouses	813,800
Engine and boiler houses	22,400
Churches	159,000
Halls	11,500
Miscellaneous buildings	26,640
Additions	316,635
Miscellaneous work	13,910
Heaters	24,700
Fire-escapes	2,075
Signs	5,800
Alterations and repairs	186,755
Powerhouse	7,000

Totals\$4,472,120

* * *

ENGINEERING equipment runs into money in the case of big modern structures. How important it is that this equipment be "right" at the very outset is emphasized in an article by Douglas Sprague in the *New York Record and Guide*:

"The mechanical, the heating and sanitary equipment of a modern apartment

house or loft building is more frequently the consequence of salesmanship rather than the product of impartial and unbiased study on the part of a consulting engineer," writes Mr. Sprague.

"The responsible and reliable quantity in these propositions should be the engineer, and he should be directly, not indirectly, responsible to the owner or his representative.

"The question that should be settled first between these two should be whether the engineering equipment is to be designed for cheapness in installation or economy in operation. From the standpoint of successful modern building practice, it cannot be both. No owner ever purchased a cheap installation but that he paid the difference between it and a first-class installation in coal and repairs; on the other hand, no owner ever purchased a first-class installation but who invested his money in a proposition that kept the operating cost down and would do its part in assisting to make the investment upon the whole proposition a paying one.

"If the cost of installation is determined by other rather than those who pay the bills for operation, then repairs or coal cost are not to be considered as long as the tenants can be retained somehow.

"What difference does it make if the heating apparatus does produce a boiler shop effect in the early morning, or that the hot water arrives some time in the forenoon, or even if the elevator does do the shuttle act—the experts who designed the contrivance do not have to listen to that soulless knocking of the radiators, ride up on the elevator, or go without their morning bath. Neither does the owner, but he pays the bill directly or indirectly. Indirectly after that knocking becomes part of the tenant's system and he is one of the anvil chorus.

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**BLUE
PRINTS**

"When I speak of a first-class installation, I do not necessarily mean 'high priced.' In order to obtain a first-class installation it is not necessary to have the pipe covering recovered with Russia iron, the vent radiation and fan splinterized, or the low pressure returns and drips made of brass and flanged. These and their like are superfluous—they do not add to the material value of the plant or lengthen its life, do not increase its efficiency or economy, but do add to the first initial investment cost without the least vestige of earning or saving power.

"A first-class installation is one which will produce: First, the highest known efficiency in all its parts; second, produce the greatest known economy; third, at the lowest possible cost in installation produce first and second.

"To obtain these—'whom do you employ?'"

* * *

THE engineer should not only have the technical training, but should have as well a practical experience in designing and supervising installations of different kinds so that he is well acquainted with best known practice from both the professional and practical sides. This education and practice will make him independent of the manufacturer and contractor. It will so develop him that he will be able to serve with an eye single only to his client's interest.

"The selected engineer should be so broad in mind that he will always advise the client to the client's interest, so forgetful that his commissions are forgotten from the time of signing his contract to the time of letting, when his first payment becomes due. Broad enough in advice between public service, and an isolated plant without prejudice, and this same spirit should follow in all his decisions.

"There are men practicing the profession who are meeting these requirements, but, and I make this statement as I learned it from the contractor's standpoint—they are few. They consistently refuse to lower their standards in practice or terms of employment. I hold no brief for them, neither have I condemnation proceedings for the others—'Their works do follow them.'

"Besides being capable of giving the cost of installation and the cost of operation, the engineer should be capable and have the human equipment to design a layout in detail and specify the different mechanical demands of the building, including the power plant, heating, ventilation, electrical and sanitary work. All these are inter-related, of equal importance, and the proper working of one depends to a more or less extent upon the other.

"The engineer's work should be so finished that the question of extras on the part of the contractor is tabooed at the beginning. The contractor should be relieved of all guarantees covering results. Those upon manufactured parts of the assemblage and workmanship and material should be retained for a reasonable period.

* * *

SOME of the largest operators of buildings advise that 90 per cent. of the operating cost is confined to the basement and sub-basement. In the majority of instances, this is needlessly so, if ever true. It can be true if the engineer was the contractor, or a contractor who saves the commission which should be paid to the consulting engineer, or it may be true when the work is peddled from one engineer's office to another and at last given out at a cut rate figure, or it may be true when the engineer is selected from any other standpoint than that of ability and reliability.

"No two buildings should be treated alike. The fact that a certain installation is successful in the office building in a given location in Manhattan is the poorest kind of a guarantee that it will be profitable in Chicago, Winnipeg, or even on another site in New York City.

"The investor, or his representative, should he be agent or architect, would not purchase a suit of clothes from John Smith, the tailor, made after the measurements of some suit that fitted the wearer as Smith's clothes generally do. The individual needs of each building should be far greater than the common needs of the tailor's patient. The one can be cast aside without regard to investment, the other is a permanent investment and the cost of operation and upkeep should not be treated as lightly as the valet's bills. They generally are—and this is evidenced by the total of the maintenance and operation bills."

* * *

IT's an old saying that there is nothing new under the sun. New York has learned that even the question of zoning and building restrictions is not new, that it was, in fact, practiced in the days of the Dutch burgomasters.

The little trading post which was destined to become the greatest city in this part of the world was just beginning its wonderful expansion and rapidly outgrowing its original limits. There remained, however, within the town proper large available building sites which in the opinion of the city administration were not properly improved; so the City Council enacted the following ordinance, not dreaming, of course, that they were perhaps the first of the single taxers:

"Whereas, the Director General and

Council have long ago warned the community by proclamation to improve their lots on the Island of Manhatans, which formerly were measured out too large and great for building thereon, and, whereas, some people desire to build but cannot find a suitable place where they conveniently may erect a house;

"Therefore, the said Director General and Council have deemed it advisable to inform everybody for the last time that they must properly improve their lots, or, in default, the Director General and Council will give them to the persons who are willing to build in the City of New Amsterdam, as convenient places allowing the present proprietors such satisfaction as the Surveyors in their discretion may deem adequate. Let everybody be hereby warned and if anybody intends to build let him report to the Secretary; which done, proper orders concerning his lot shall be given."

And New Yorkers fancied that in the zoning idea they had dug up something really new!

* * *

CONTRACTING doesn't believe in the Standard Contract form for contracts to govern engineering construction.

"It has recently been contended that standard forms for contracts to govern engineering construction are desirable," says *Contracting*, "that they may reduce the contractor's risk, lower the cost, strengthen the spineless engineer, and safeguard the unscrupulous engineer from himself by preventing unfair demands on the contractor. Interesting if true!

"Carried out to their logical limit, standard forms for contracts are about as valuable as a handbook giving a complete course of civil engineering in six weeks, or a formula making every man his own engineer. An undigested plea for standard contract forms may, it is true, be inspired by altruistic feelings for the contractor and for the engineer, but it appears much more like an effort to relieve the engineer of his responsibilities and to deal out professional work by the yard or by the pound."

* * *

THE decision regarding the Mecca Building sign in New York City is of more importance to builders than is generally believed. Because the suit was based upon the height of an advertising sign the impression has prevailed in some quarters that the decision only affects the heights of electric signs. Such is not the fact. It was really a test case which fixed very positively the time in which a builder might begin his operation after filing plans under the regulations existing at that time. Because the old code apparently permitted

one year in which to begin construction it had become a general habit to construe that section as allowing the applicant one year to begin work under the regulations in force when the plans were filed, regardless of any subsequent changes.

Prospective builders regarded this as one of their vested rights. The Mecca Building sign case has changed all this and very radically, stating very positively that no building, regardless of the time of the filing of its plans, can be started unless it conforms in every detail to the regulations in effect on the day that actual building is commenced. In other words, a builder may file plans on Tuesday. On Wednesday some new regulation may go into effect, and, unless the building has actually been started before the new act becomes a law, it will be necessary to file new plans. Of course, this is an extreme case, but the court de-

cision fixes the rule that there is no vested right to build according to the original plan, if, in the interim, changes have been made to the building regulations.

At the present time signs may be erected to a height of eighty-five feet. When the Mecca sign plan was filed there was virtually no height limit. The Mecca sign, although more than eighty-five feet in height, was not then raised to its proposed height. Meanwhile the new sign regulation went into effect, and toward the end of the year the sign builders proceeded to increase its height. The sign builders held that they were entitled to go ahead in accordance with the old plans. The suit was brought to restrain them, and the recent decision held that they had no such right. It is an important thing for builders who have not started structures for which plans were filed several months ago to contemplate.

EDITORIAL NOTES

Shipments of lumber for the week by the Southern Pine Association amounted to 108,100,552 feet, and the remainder of orders on hand amount to 463,821,276 feet. The actual production is nearly 10 per cent. below normal, while shipments exceed normal production 5.56 per cent. and orders are being received at the rate of 7.15 per cent. above normal production.

* * *

A City Planning Commission is to be organized in the city of Erie, Pa. W. D. Kinney, Superintendent of Department of Street and Public Improvements has strongly urged this appointment. The Commission will take the place of a similar organization which was appointed some years ago but which has been inactive.

* * *

The following nominations have been made for officers of The American Society of Mechanical Engineers: For president, Ira N. Hollis, Worcester, Mass.; for vice-presidents (for two years), Charles H. Benjamin, Lafayette, Ind.; Arthur M. Greene, Jr., Troy, N. Y.; Charles T. Plunkett, Adams, Mass.; for managers (for three years): Robert H. Fernald, Philadelphia, Pa.; William B. Gregory, New Orleans, La.; C. R. Weymouth, Berkeley, Cal.; for treasurer: William H. Wiley, New York.

* * *

Albert Engstrom, of Stockholm, a distinguished Swedish editor, now visiting the United States, says the thing that most attracted him on his arrival in New York was the skyscraper.

"You've made a new architecture over

here," he said. "It's true that you've never had a national art, but you certainly have a national architecture. The Woolworth Building, for instance, is one of the most beautiful structures I've seen anywhere, and the whole appearance of the city is far more striking than that of any European metropolis."

* * *

Architect Trumbauer, of this city, is in charge of \$500,000 alterations being made by Cornelius Vanderbilt in the old Vanderbilt mansion on Fifth avenue at 51st street, New York City.

* * *

Mayor Smit' announced recently that plans for the new convention hall and free library to be erected by the city from the \$42,000,000 general loan funds will be ready to be advertised for bids by October 15. Further contracts on the new high-speed transit system will be advertised about the same time, said the mayor.

These will be the first moves made toward actual construction by the Smith administration in the great program of improvements made possible by the loans authorized by the voters at the primary election May 16. It is hardly probable, however, that the contractors will be able to get down to real work until next spring.

* * *

Owners of land bordering on the Delaware river in the extreme southeastern section of the city announce that they had organized a corporation, sold the land to the corporation and are preparing to erect extensive industrial terminals on the site.

The organization is known as the Greenwich Terminal Company, and the sale of land involves nearly \$2,000,000. It is expected that a bond issue will be made shortly to provide for developing the terminal.

The site comprises 250 acres. It adjoins League Island, stretches a mile along the back channel boundary, extends from the river to Ninth street and has its northern limit at Jones lane. Part of the site has already been chosen by the Pennsylvania and the Baltimore and Ohio railroads for terminal yards.

On the remaining portion of the land the company plans the development of transportation and industrial facilities to cost millions of dollars and provide employment for 100,000 workers. A ferry service will be established with the New Jersey side of the river.

For several years the individual owners of the land have had men at work filling up the area to bring it up to city grade. The water front is now twelve feet above the former level, and bulkheads have been constructed.

Major D. S. B. Chew is president of the company. Members include Charles C. Harrison, Joseph A. Steinmetz, the Brown interests, Joseph A. Janney, Jr., the Delaware River Real Estate Company, Herman Hoopes, A. J. Toland, Charles F. Jenkins and Louis J. Kolb.

* * *

American shipping has gained in gross tonnage, since the beginning of the European war, 820,000 tons; almost as great as all other nations combined. This increase is due mainly to the ship registry

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act of 1914, which permitted American owners of ships under foreign flags to obtain the American flag and register.

* * *

The 1916 automobile season closed August 1, with an estimated output by American manufacturers of about 1,200,000 motor cars, compared with slightly over 700,000 in the 1915 season, and about 570,000 in the 1914 season.

* * *

Investments of savings and other State banks and insurance companies alone in

railway securities in 1915 were in excess of \$2,500,000,000, according to a compilation by the bureau of railway news and statistics, Chicago. The 19,457 banks held in that year about \$1,265,000,000 in railway stocks and bonds, comprising 32.2 per cent. of their total investments in government, State, county, municipal, public service and other bonds of any description; these investments together, next to loans secured by real estate, collateral or otherwise, comprising by far the largest item in the assets behind these banks.

they've fought and fought till they're nearly broken down, when they've lost time with strikes that never will be paid for, when, in short, at last they reach the goal of a dollar a day more than they used to get that dollar does not pay either (a) for the increased necessities nor (b) for expected—no, demanded—luxuries.

Oh, why can't they see it? Echo answers. And what is the use of talking about it if it's going to go on anyhow? Well, that's different. There's a lot of use of talking about it.

Talking starts thinking and thinking finds out what's the matter and the remedy.

One Benjamin Franklin once upon a time printed a periodical which, as I understand, was largely the only thing in its field. It was Poor Richard's Almanac. It came out once a year. I don't know how many years he carried it along. It does not matter at all. With the exception of the Bible it was about the only reading matter a large body of Americans had.

And how it was read! How it must have been read. Over and over again those sayings of Poor Richard were repeated and dinned into ears that led to brains that had to think about them or else not think at all.

And what an effect it had! It's my belief that Poor Richard's sayings had a good deal to do with bringing up and training to common sense ways of living and thinking the people who later joined under the leadership of one G. Washington to make this great nation.

What a fortunate man Ben was. His stuff was not buried in the Sunday newspapers nor yet in the week-day issues; it wasn't lost in monthly or weekly magazines to be dug out and buried again in the Digests and Reviews that have come to try and save literature.

Old Ben had an audience that could listen to a lot of "platitudes" and take them in and profit thereby.

Some day a lot of builders may be awakened up as Franklin awoke the American Colonists.

It's all right to say "What's the use of talking?" Wages keep on climbing and costs keep on climbing. And a dollar to-day is worth less than fifty cents was—not a hundred years ago. And contractors go on working for—what? Profit? Well, not so very many of them.—Theodore Starrett, in "Architecture and Building."

If you've got a specialty that will commend itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pippin that there is either something better on the market or your specialty isn't worth a kopeck noway.

Don't expect outsiders to give you a big rating on a one-inch space.

EMULATION AND WAGE SCALES

The labor question is a mighty interesting one these days. The war supply business has produced in certain lines of general industry a condition that once existed in the building line. I refer to a practice or policy of giving men anything they want in the way of wages. Of course, to-day this is due to the extraordinary demand for help caused by the rush of orders for war supplies.

A manufacturer in the Metropolitan district was talking about the difficulty of getting his men to work. It is not a case of telling a man to this or do that. It is, "Won't you do this?" "I'd like to get you to do that," and such diplomatic expressions. Even then the man is likely to go to work for some war supply concern at noon or next morning.

"I declare," said he, "I don't know what we are coming to. At the ——— Company they are paying men \$15.00 for twelve hours' work at night boring shrapnel shells, and all other work at corresponding rates." He went on to tell other interesting incidents, all more or less of the same nature.

The spirit of emulation seizes all working people in such times as these—seizes them with an extra powerful grip. Aside from the needs of the case, the increasing cost of the necessities of life and the increasing necessity that everybody, especially the working man, feels for the "higher things of life," like talking machines that reproduce the voices of grand opera singers, moving pictures that show the great stars like Mr. Chaplin—not Charlie Chaplin, you'll notice—I don't take liberties with celebrities like some folks do—great stars like Mr. Chaplin and Miss Pickford,—aside from all these things that it takes money to enjoy, the spirit of emulation makes every man who hears of their getting \$15.00 a day in So-an-so's factory want \$15.00 for his day's work, too.

Fifteen dollars a day is a lot of money for a man who does not have to keep up appearances, who can wear for work days khaki or jeans costing two dollars per suit instead of sixty to ninety dollars as the unhappy piker of a boss does (and the clothes not paid for at that).

If there's anybody reading this who rises

in wrath now and says that \$2.00 khaki clothes are not the proper garniture for a free born American citizen, I would answer, why not? Do you expect the man to spend all of his \$15.00 just the same as though it were \$2.00 or \$3.00 or \$4.00?

Yes you do. You expect him to get rid of the whole fifteen—or twenty-five if that were the amount of the day's earnings—just as fast as he got them.

Meanwhile a lot of farmers and a few hard heads among the workers wear two dollar clothes and get rich and the joke of it is they are not the ones that lead movements for these thundering high wages. They know too much.

Fifteen dollars a day make grand pay if you could only have a lot of laborers and foreigners to do the dirty work at the old low prices. If everybody gets a raise the raise is worthless.

There never was a more absurd thing, from a practical point of view than carpenters in New York City raising their wages to \$5.00 per day and then demanding that all the mill work that they handle shall be made up by men who get the same wages as they do. Thus they would destroy the value of their \$5.00; thus they start the undoing of their own work.

A little investigation will show that nowadays when publicity drags everything to the light of day almost as fast as it happens the high-waged people are beset by (a) either a precariousness or uncertainty of employment that brings or tends to bring their actual income nearer to the level of the lower-waged people, or (b) they are speeded up so that their higher pay is at the expense of shortened lives and breakdowns, which amount after all to the same things as (a). Another interesting thing is that those who are lower in the wage scale are fighting, fighting, fighting, always fighting upward toward the higher level.

And while they fight along it all comes out in the wash, as one might say, and the increased cost of the things these workers do or make is passed on to the people and back to the workers themselves, so that when

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence, City Line and Church Road, \$15,000. Architects, Seeburger & Rabenold, Pennsylvania Building. Owner, Mrs. Walter B. Scott, 2126 Ontario street. Stone, 2½ stories, 26x70 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress.

Residences (200), Third, Fifth, Johnson and Bigler streets. Architect, private plans. Owner, Mark Haller, Third and Shunk streets. Brick, 2 stories, 15x50 feet each. Slag roofs, hot air heating, electric lighting. Owner is ready for sub-bids.

Residence, City Line and Church Road. Architects, Savery & Scheetz, Stephen Girard Building. Owner, Joseph Gilfillan, West End Trust Building. Brick, 2½ stories. Details not yet decided. Plans in progress.

Arsenal Building, Frankford, Philadelphia. Architect, private plans. Owners, United States Government, Lieutenant George Montgomery, Frankford Arsenal. 1 and 2 story basement and attic extension of fuse building, 204x102 feet, concrete and brick. One 1-story metal storehouse building, brick, 192x43 feet and one 1-story and basement extension of artillery ammunition storehouse, brick and concrete, 118x48 feet, slate roof, steel sash, Kalamein doors, ventilators, Composition, concrete and wood floors, fire escapes, tile work, concrete work. Lowest bid submitted \$162,775 by N. W. Anstine & Co., 1218 Filbert street. Other bids: \$168,022, Edward F. Fonder, Land Title Building; \$174,046, Thomas Reilly, 1616 Thompson street.

Store and Apartments (alts.), 240 and 242 South Eleventh street. Architect, Otto C. Wolf, Denckla Building. Owner, Tony Kayser, 238 South Eleventh street. Brick, 3 stories, 25x100 feet. Slag roof, steam heating, electric lighting, tile work, parquet floors. Architect taking revised bids due September 5th. The following are figuring: A. R. Raff Construction Co., 1635 Thompson street; F. W. Van Loon, Denckla Building; F. A. Havens & Co., 845 North Nineteenth street; H. C. Dahl, 231 South Eighth street; Thomas Little & Son, 1713 Moravian street; Charles Fisher, Mervine street and Erie avenue.

Office and Apartment Building, 1429 to 1433 Walnut street. Architect, Frederick Webber, Morris Building. Owner, Samuel L. Brumbaugh, 1431 Walnut street. Brick, stone and steel, 15 stories, 55x96 feet. Slag roof, steam heating, electric lighting, tile and marble work, metal lath, iron stairs, elevators. Architects will sublet all contracts.

Store and Apartments (alt. and add.), S. E. Cor. Broad and Poplar. Architect, Charles E. Oelschlager, Harrison Building. Owner's name withheld. Brick, 3 stories, 24x60 feet. Slag roof, steam heating, electric lighting, tile work. Revised plans in progress.

Store and Residence (alt. and add.), 240 Monroe street. Architect, private plans. Owner, Majestic Building and Loan Association, on premises. Brick, 2 stories. Slag roof, tile work. Owners have received bids.

Factory (alts.), Thirteenth and Callowhill streets. Architect, Frank E. Hahn, 1112 Chestnut street. Owner, National Metal Edge Box Co., on premises. Consists of interior alterations. Roof ventilators, metal

lath, plastering, painting (office partitions reserved.) Architect has received bids.

Garage, 108 Gowen avenue. Architect, George S. Idell, 34 South Sixteenth street. Owner, T. Y. Olsen, on premises. Stone, 1 story, 20x20 feet. Canvas roof (heating, plumbing and electric work reserved). Architect has received bids.

Engine Room and Offices (adds.), West Philadelphia Yards. Architect, William H. Cookman, Broad Street Station. Owners, Pennsylvania Railroad Company, Thirty-second and Powelton avenue. Brick, 1 and 2 stories, 50x12 feet. Slag roof, concrete floors, safety treads, ventilators. Owners taking bids due September 5th. F. B. Davis, 240 North Tenth street; F. A. Havens & Co., 845 North Nineteenth street; Bailey-Lush Co., 201 North Broad street, are figuring.

Ash Pits, Erie Avenue Yards. Engineer, S. T. Wagner, Reading Terminal. Owners, Philadelphia & Reading Railway Company, Reading Terminal. Concrete and steel. Owners taking bids due September 5th. F. A. Havens & Co., 845 North Nineteenth street, and A. L. Carhart, Hale Building, are figuring.

Store and Residence (alt. and add.), Eleventh and Moyamensing avenue. Architect, private plans. Owner, Joseph V. Smith, 2415 South Eleventh street. Brick, 2 stories. Electric lighting (plumbing and heating reserved). Owner has received bids.

Store and Offices, N. E. Cor. Fifth and Arch streets. Architect, W. C. Furber, 418 Walnut street. Owner, J. Clifton Buck, 429 Arch street. Brick, terra cotta and concrete, 33x33 feet. Slag roof, steam heating, electric lighting, composition floors, metal sash, fire doors, safety treads, sprinklers, damp-proofing, metal lath. Architect taking bids due September 5th. The following are figuring: Roydhouse-Arey Co., Fidelity Building; H. E. Baton, Twelfth and Sansom streets; F. L. Hoover & Sons, 1023 Cherry street, Abel Bottoms Sons Co., 3611 Walnut street.

Residence (alt. and add.), 1635 Spruce street, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Joseph R. Wainwright, 505 Chestnut street, Philadelphia. Brick, 3 stories, addition 15x22 feet. Slag roof, wire lath, dumb waiter, damp-proofing, electric lighting, tile work. Revised plans in progress.

Clubhouse (int. alts.), 1209 Walnut street, Philadelphia. Architect, Samuel D. Hawley, 2nd, Queen Lane Manor, Philadelphia. Owner, Philadelphia Athletic Club, on premises. Consists of interior alterations, new shower and rubbing room, tile work, marble work, plumbing, and painting. Architect is subletting all contracts.

Clubhouse (remodeling), N. W. Cor. Thirteenth and Walnut streets. \$100,000. Architects, Arthur I. Meigs and George Howe, 205 South Juniper street. Owner, The Philadelphia Club, on premises. Brick and stone, 4 stories. Consists of general remodeling. Details not decided. Plans in progress.

Publishing Building (alt. and add.), 724 Sansom street. Architect, Addison H. Savery, Stephen Girard Building. Owners, Geo. T. Bisel & Co., on premises. Brick, 4 stories.

Slag roof, steam heating, electric lighting. Plans in progress.

Factory (alt. and add.), 1631 North Second street, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Keystone Spinning Mills Co., on premises. Brick and concrete, 3 stories. Slag roof, steam heating, electric lighting. Plans completed. Architects will take bids in a few days.

School (add.), (2 wings), Eighth and Lehigh avenue. Architect, J. Horace Cook, Nineteenth above Chestnut street, Philadelphia. Owner, Board of Education, Nineteenth above Chestnut street. Brick and stone, 3 stories, 60x200 feet each. Composition roof, metal lath, concrete floors, roof ventilators (heating, plumbing and electric work, separate bids). Owners taking bids due September 7th. Cramp & Co., Denckla Building, and Henry L. Brown, 1714 Sansom street, are figuring.

"NO TABLETS," SAYS MAYOR.

There will be no tablet in memory of Caesar Rodney, a signer of the Declaration of Independence, erected in Independence Hall, Philadelphia.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
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Residence, Chestnut Hill, Pa. Architect, John Graham, Jr., Real Estate Trust Building, Philadelphia. Owner, Robert L. Wood, Ambler, Pa. Frame, 2½ stories, 30x60 feet. Shingle roof (hot water heating, electric lighting and plumbing reserved), hardwood floors. Contract awarded to I. A. Dunkelberger, 71 East Herman street.

Residence (alts.), 5909 Greene street. Architects, Savery & Sheetz, Stephen Girard Building, Philadelphia. Owner, Dr. Albert C. Sauter, 1421 Locust street, Philadelphia. Stone, 2½ stories. Tin roof, electric lighting, tile work. Contract awarded to John E. Walt, 20 East Johnson street.

Residence, St. Martin's, Philadelphia. \$15,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Chas. P. Fox, Oxford avenue and Olney street, Fox Chase. Stone, 2½ stories. Slate roof (plumbing, heating, electric work and hard-

ware reserved). Contract awarded to Wolverton & Collins, 7930 Germantown avenue, Philadelphia.

Garage, 1214 and 1216 North Darien street, Philadelphia. Architect, private plans. Owners, Swift & Co., Ninth and Girard avenue, Philadelphia. Brick, steel and corrugated iron, 1 story, 30x36 feet. Corrugated iron roof, roof ventilators, cement floors. Contract awarded to Hogg Const. Co., 1634 Sansom street.

Factory Buildings, Third and Poplar streets. Architect, William C. Furber, 418 Walnut street. Owners, Espoir Realty Co. (H. B. Pancoast Co.), 243 South Third street. Brick, concrete floors, 1 and 2 stories, 49x247 feet. Cement, tile and slag roofs, steam heating, electric lighting, metal lath, fire doors. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street. (Note change of builders.)

PENNSYLVANIA Construction News

Residence and Garage, Merion, Pa. \$40,000. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, R. J. Hughes, 1509 North Sixteenth street. Brick and plaster, 2½ stories, 35x100 feet. Slate roof, indirect steam heating, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids September 15th.

Residence, near Cynwyd, Pa. \$15,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, John A.

Lafore, Twenty-fifth and Locust streets, Philadelphia. Stone, 2½ stories, 25x80 feet. Shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

Theatre and Stores, Chester, Pa., \$200,000. Architects, The Hoffman Company, Finance Building, Philadelphia. Owner, J. Fred Zimmerman, Bellevue-Stratford, Philadelphia. Brick, terra cotta, concrete and steel, 2 stories, 120x200 feet, composition roof, steam heating, electric lighting, metal lath,

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fire doors, waterproofing. Architects taking bids. The following are figuring: James G. Doak Construction Co., Crozer Building; Irwin & Leighton, 126 North Twelfth street; Pomeroy Construction Co., 1609 Ranstead street; Fleischmann Construction Co., Real Estate Trust Building; Cramp & Co., Denckla Building; Ketcham & McQuade, 1029 Brown street; Frank G. Stewart, 1619 Sansom street; Smith-Hardican Co., 1606 Cherry street, Philadelphia; J. A. Bader Co., du Pont Building, Wilmington, Del.

Garage, near Jenkintown, Pa. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner's name withheld. Stone and frame, 2 stories, 80x25 feet, shingle roof, hot water heating, electric lighting. Architects taking approximate bids. R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia, are figuring (only bidders).

Garage, Cynwyd, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, R. F. Tull, Cynwyd, Pa. Brick, 2 stories, slate roof, hot water heating, electric lighting. Plans in progress.

Garage, Cynwyd, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, H. M. Coale, Cynwyd, Pa. Stone, 2 stories, slate roof, hot water heating, electric lighting. Plans in progress.

Residences and Garages (2), Chester, Pa. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owner, Robert Wetherill, Chester, Pa. Stone and hollow tile, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking bids due September 5th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; George A. Boyd, 211 East Willow Grove avenue, Philadelphia; William Provost, Jr., Chester, Pa.

Office Building (alt. and add.), Reading, Pa., \$80,000. Architect, George L. Gerhard, Jr., 519 Penn street, Reading, Pa. Owner, American Casualty Co., Reading, Pa. Brick, stone, terra cotta and steel, 6 stories, 60x111 feet, slag roof, vapor heating, electric lighting, tile work, composition floors, elevator. Plans in progress.

Residence (alt. & add.), Reading, Pa. Architect, C. J. Young, 520 Washington street, Reading. Owner, H. D. Levan, Reading, Pa. Brick, 2 stories, 14x12 feet, tin

roof, electric lighting. Plans completed. Architect ready for bids.

Garage, Reading, Pa. Architect, F. A. Muhlenberg, Colonial Trust Building, Reading. Owner, Charles H. R. Madeira, Reading, Pa. Brick, 2 stories, 30x20 feet, asbestos shingle roof, hot water heating, electric lighting. Architect taking bids due September 10th.

Garage, Lansford, Pa. Architect, F. A. Muhlenberg, Colonial Trust Building, Reading. Owner, G. Howard Bright, Reading, Pa. Brick, 1 story, 30x40 feet, asbestos shingle roof, electric lighting. Architect taking bids due September 10th.

Residences (8), Reading, Pa. Architect, private plans. Owner, G. M. Huyett, Reading, Pa. Brick, 2 stories, 12x24 feet each, slate roof, hot air heating. Owner is sub-letting.

Residences (8), Reading, Pa. Architect, private plans. Owner, Robert M. Harbster, Reading, Pa. Brick, 2 stories, 13x26 feet each, tin roof, hot air heating. Owner is sub-letting.

Residences (8), Reading, Pa. Architect, private plans. Owner, D. B. Haffer, Reading, Pa. Brick, 2 stories, 26x31 feet each, slate roof, hot air heating. Owner is sub-letting.

Residence, Springfield, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, Frank C. Birch, 5901 Addison street, Philadelphia. Stone and plaster, 2½ stories, 27x50 feet, slate roof, hardwood floors, tile work, electric lighting, hot water heating. Architects taking bids due September 6th. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; W. Harry Roberts, Ardmore, Pa.; Carroll Thayer, Swarthmore, Pa.

Barn (alt. and add.), Newtown Square, Pa. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, Dunwood Home, Newtown Square, Pa. Stone, 1 story, 31x120 feet, slate roof, concrete and cork brick floors. Architects have received bids.

Residences (5), Springfield, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owners, Springfield Real Estate Co., Commercial Trust Building. Stone, brick and plaster, 2½ stories, slate and tile roof, hot water heating, electric lighting, hardwood floors, tile work. Plans completed. Architects will take bids after September 15th.

PENNSYLVANIA Contracts Awarded

Residence, Reading, Pa. Architects, D. A. Clous, 1123 Broadway, New York City, and F. A. Muhlenberg, Colonial Trust Building, Reading, Pa. Owner, J. Heber Parker, Reading, Pa. Brick, 3 stories, 40x60 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Daniel Hunter, Reading, Pa.

Residence (alt. and add.), Strafford, Pa. Architects, Mellor & Meigs, 206 South Juniper street, Philadelphia. Owner, Edward F.

Beale, Strafford, Pa. Consists of new porch and interior alterations. Contract awarded to Samuel Waters, Bryn Mawr, Pa.

Residence (alt. and add.), Unionville, Pa. Architects, Mellor & Meigs, 206 S. Juniper street, Philadelphia. Owner, W. Plunket Stewart, Unionville, Pa. Consists of interior alterations, fireplaces, bath room, etc. Contract awarded to William A. Worrell, Kennett, Pa.

Cottage, West Conshohocken, Pa. Archi-

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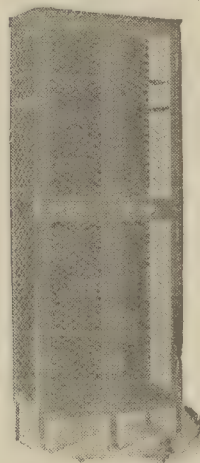
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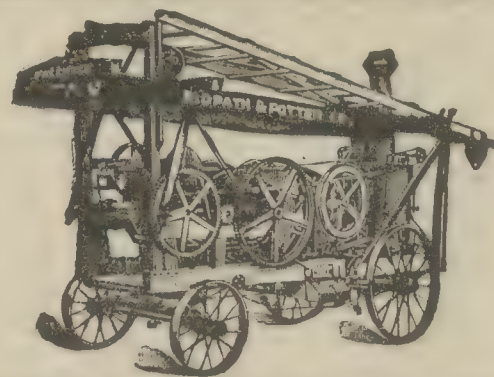
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plaster, 2½ stories, shingle roof, hot water heating, electric lighting. Contract awarded to Charles C. Pace, Merion, Pa.

Bridge, Coatesville, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owner, Philadelphia & Reading Railway Co., Reading Terminal. Reinforced concrete, 6 spans. Contract awarded to Bennett & Randall, Lancaster, Pa.

Warehouse, Reading, Pa., \$8,000. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Bard Hardware Co., Reading, Pa. Brick, 3 stories, 61x61 feet, tin and slag roof, metal sash, electric lighting. Contract awarded to H. J. Raudenbush, Reading, Pa.

Residence, Ashland, Pa., \$10,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, John W. Pepper, Ashland, Pa. Brick, 3 stories, 32x87 feet, tin roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Robert Mehlan, Ashland, Pa.

Residence, Newmanstown, Pa., \$6,000. Architect, A. A. Ritcher, Sixth & Court streets, Reading, Pa. Owner, Miss Helen Trix, Newmanstown, Pa. Frame and stucco, 2½ stories, 28x44 feet, slate roof, vapor heating, electric lighting, hardwood floors, tile work. Contract awarded to Adam Spatz, Wernersville, Pa.

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fects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Miss Marion B. Wood, West Conshohocken, Pa. Stone, 2 stories, 34x28 feet, shingle roof, warm air heating, electric lighting. Contract awarded to Wills-Ludwick Co., 34 South Seventeenth street, Philadelphia.

Club House (alt. and add.), Cynwyd, Pa., \$10,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Cynwyd Club, Cynwyd, Pa. Hollow tile and

Barn (alt. and add.), Vineland, N. J. \$4000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owner, Home for Feeble Minded Women, Vineland. Frame and stucco, 1 story, 27x27 feet. Slag roof, electric lighting, cork and concrete floors. Plans in progress.

Home (alts.), Vineland, N. J. \$5000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owner, Soldiers' Home, Vineland, N. J. Consists of interior alterations or dining and storage rooms. Plans in progress.

Store (alts.), 836 South Fourth street, Camden, N. J. Architect, Thomas Stephen, Masonic Temple, Camden. Owner, Pasquale Rapini, on premises. Brick, 3 stories. Electric lighting. Plans in progress.

Iron Fences, Morris Plains, N. J. \$2000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owner, State of New Jersey, Trenton, N. J. Consists of iron fences and gates. Owners taking bids due September 13th.

Residences (5), Camden, N. J. Architect, private plans. Owner, S. Praiss, 1574 Mt. Ephraim avenue, Camden. Brick, 2 stories, 14x43 feet each. Slag roofs, hot air heating. Owner is subletting all contracts.

School, Cream Ridge, N. J. Architects, Moffett & Stewart, Inc., Camden, N. J. Owners, Board of Education, Upper Freehold Township, Monmouth County, N. J. Brick, 1½ stories, 28x47 feet. Asbestos shingle, hot air heat, concrete and gum floorings. Architects have received bids.

Y. M. C. A., New Brunswick, N. J. Architects, Shattuck & Hussey, Chicago, Ill.

Owner, Y. M. C. A., New Brunswick, N. J. Brick, steel, terra cotta and concrete, 4 stories, 89x170 feet, wing 50x25 feet. Composition roof, composition floors, marble and tile work, iron stairs, safety treads, steel sash, roof ventilator (heating, plumbing and electric work reserved). Architects taking bids due September 25th. Hughes, Foulkrod Co., Commonwealth Building, Philadelphia, are figuring.

School, Laurel Springs, N. J. \$25,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Board of Education, Laurel Springs, N. J. Brick, 2 stories, 87x50 feet. Slate roof (heating, plumbing and electric work separate bids). Revised plans in progress.

School, National Park, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Board of Education, National Park, N. J. Frame, 1 story, 24x71 feet. Shingle roof (heating, plumbing and electric work separate bids). Owners taking bids due September 5th. The following are figuring: Thomas Allen, National Park, N. J.; Charles C. Thurlow, Mantua, N. J., and John D. Allen, W. D. Fletcher and J. D. Best, all of Woodbury, N. J.

Residence, Haddonfield, N. J. Architect, William C. Prichett, 418 Walnut street, Philadelphia. Owner, Stanley W. Ruck, Haddonfield, N. J. Hollow tile and plaster, 2 stories, 45x39 feet. Shingle roof, tile work, oak floors, wire lath (heating, plumbing and electric work reserved). Architect taking bids due September 5th. The following are figuring: Smith-Hardican Co., 1606 Cherry

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street; Edward Geschke, Collingswood, N. J.; J. S. Rogers Co., Moorestown, N. J.; Haddon Real Estate Co., Haddon Heights, N. J.; L. B. Pettit, Haddonfield, N. J.; Joseph Strang, Haddon Heights, N. J.

Church, Wildwood, N. J. Architect, George J. Lovatt, 416 Walnut street, Philadelphia. Owner, St. Ann's R. C. Church, Wildwood, N. J. Stone, 1 story, 65x145 feet. Slate roof (plumbing, heating and vacuum heating separate bids). Architect taking bids due September 12th. The following are figuring: Doyle & Co., 1519 Sansom street; William J. McShane, 417 South Thirteenth street; Charles McCaul Co., 1713 Sansom street, Philadelphia; Richman Construction Co., Moorestown, N. J.; Thomas S. Goslin, Wildwood, N. J.; Hiram Godfrey, Cape May Court House, N. J.

Residence, Vineland, N. J. \$20,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Evan E. Kimble, Vineland, N. J. Brick and hollow tile, 2½ stories, 36x54 feet. Tile roof, hot water heating, electric lighting, oak floors, tile work. Owner taking bids due September 6th. Wills, Ludwick Co., 34 South Seventeenth street, Philadelphia are figuring.

School, Milford, N. J. Architect, Clarence B. Dilts, Flemington, N. J. Owners, Board of Education of Holland Township, care of Frank K. Vanderbilt, Milford, N. J. Stone, brick and hollow tile, 2 stories, 45x100 feet, slag roof, mechanical hot air heating, electric lighting, reinforced concrete floors, water-proofing, steel sash. Plans in progress.

NEW JERSEY

Contracts Awarded

Church (add.), Trenton, N. J. \$6800. Architect, private plans. Owner, St. James' Episcopal Church, Trenton, N. J. Brick, 1 story, 43x35 feet. Slate roof, steam heating, electric lighting. Contract awarded to Scott & Day, Trenton, N. J.

Residence, Trenton, N. J. \$8000. Archi-

itects, Slack & Son, American Mechanic Building, Trenton. Owner, Alfred Reed, 62 Prospect avenue, Trenton, N. J. Brick, 2½ stories, 40x40 feet. Slate roof, vapor heating, electric lighting, hardwood floors, tile work. Contract awarded to Burton & Burton, American Mechanics Building, Trenton, N. J.

Miscellaneous Construction News

Machine Shop, Wilmington, Del. Architects, Brown & Whiteside, duPont Building, Wilmington. Owners, Electric Hose & Rubber Co., Wilmington. Brick and reinforced concrete, 1 story, 50x100 feet. Slag roof, steam heating, electric lighting, metal sash, wood block floors. Architects ready for bids.

Cottage and Garage, Bellevue, Del. \$9000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, William G. Coxe, Wilmington, Del. Stone and stucco, 3 stories, 35x45 feet. Slate roof, steam heating, electric lighting. Plans in progress.

Store (alt. and add.), Wilmington, Del. \$20,000. Architect, Edward C. May, duPont

Building, Wilmington. Owners, Miller Bros., 213 Market street, Wilmington. Brick, 4½ stories, 110x67 feet. Slag roof, steam heating, electric lighting, metal lath. Architect taking bids due September 7th.

Residence, Wilmington, Del. \$4000. Architect, J. J. Kennedy, Ford Building, Wilmington. Owner, Dr. H. R. Spruance, 809 West street, Wilmington. Brick, 2 stories, 16x60 feet. Slag and tin roof, hot water heating, electric lighting, tile work. Architect ready for bids.

Residence (alt. and add.), Wilmington, Del. \$5000. Architect, J. J. Kennedy, Ford Building, Wilmington. Owner, William G.

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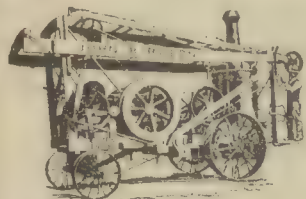
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Residence and Garage, Wilmington, Del.

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Architects, Brown & Whiteside, duPont Building, Wilmington. Owner, Dr. Harold L. Springer, 1013 Washington street. Hollow tile and brick, 2½ stories, 110x30 feet. Shingle roof, vapor heating, electric lighting, tile work, hardwood floors, tile work, damp proofing. Architects have received bids.

Laboratory Building, Wilmington, Del. Architect, A. L. Perot, 34 South Seventeenth

street, Philadelphia. Owner, Francis I. duPont, Wilmington, Del. Terra cotta and stucco, 1 story, 132x22x273x22 feet. Tile roof (heating, electric work reserved). Architect taking revised bids. The following are figuring: Pomeroy Construction Co., 1609 Ranstead street, Philadelphia; Elfreh & Co., 1708 Sansom street, Philadelphia; W. D. Haddock & Co., and A. S. Reed & Bros., Wilmington, Del.

MARYLAND

Construction News

Store (alts.), 311 North Charles street, Baltimore, Md., \$7,000. Architects; Sparklin & Childs, Law Building, Baltimore, Md. Owners, Auman & Werkmeister, 16 West Lexington street, Baltimore, Md. Consists of new front, tile work, granite work, plumbing, copper and steel work. Revised plans in progress.

Wall around Church, Culpeper, Va. Architects, Machen & Owings, 347 North Charles street. Owners, St. Stevenson Episcopal Church, Culpeper, Va. Brick and iron, 250 feet. Plans in progress.

Theatre (remodeling), East North avenue, Baltimore, Md. Architects, Blanke & Zink, Equitable Building, Baltimore, Md. Owners, Majestic Theatre, on premises. New brick walls, slag roof, steam heating, electric lighting, ventilators. Plans in progress.

Sunday School (alts. and add.), Catonsville, Md. Architect, Walter M. Gieske, Gunther Building, Baltimore, Md. Owners, Salem Lutheran congregation, Rev. John C. Bowers, Newberg avenue, Baltimore, Md. Stone, 1 story, 19x47 feet, slate roof, electric lighting, plumbing (heating reserved). Owners, care of Hon. John Hubner, 507 Union Trust Building, Baltimore, chairman of Building Committee, is ready for sub-bids on all lines.

Residence, Park Heights avenue, Baltimore, Md. Architect, private plans. Owner, Frederick Kraff, 225 Singer avenue, Baltimore, Md. Brick, 2½ stories, 32x46 feet, slate roof. Owner taking bids. C. W. Littleton & Son, 4313 Park Heights avenue, Baltimore, Md., are figuring.

MARYLAND

Contracts Awarded

Church (alt. and add.), Catonsville, Md. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owners, St. Timothy's Church, care of Rev. Thomas H. Yardley, on premises. New slag and tin roof, stone work, plastering, plumbing (heating and electric wiring reserved). Contract awarded to W. E. Harn Co., 213 North Calvert street, Baltimore, Md.

School, Glen Burnie, Md., Anne Arundel County, \$9,870. Architect, H. G. Crisp, 1109 Calvert Building, Baltimore, Md. Owner, J. Clayton Spetler, care of Wise Bros., 132 West Fayette street, Baltimore. Brick, 2 stories, 99x30 feet, slate roof, steam heating, marble work, dampproofing, plastering, plumbing, slate blackboards (electric work reserved). Contract awarded to Edwin Woodfall, Glen Burnie, Md.

Comfort Station and Shed, Callow avenue terminal on Park avenue. Architect, Francis

E. Tormey, Gunther Building, Baltimore, Md. Owners, United Railways, Baltimore, Md. Brick and concrete and steel, 1 story, 90x51 feet, slag roof, electric lighting, cement floors, marquee, skylights, plumbing. Contract awarded to R. B. Mason, 308 West Madison street, Baltimore, Md.

Residence, Whitfield road, Guilford, Md. Architect, Mott B. Smith, 15 East Fortieth street, New York City. Owner, A. K. Wampole, 752 St. Peter street, Baltimore, Md. Brick and hollow tile and concrete, 2½ stories, slate roof, metal lath, cement and stucco work, marble tile, waterproofing, fire door (heating, electric work and plumbing reserved). Contract awarded to Roland Park Co., Roland Park, Md.

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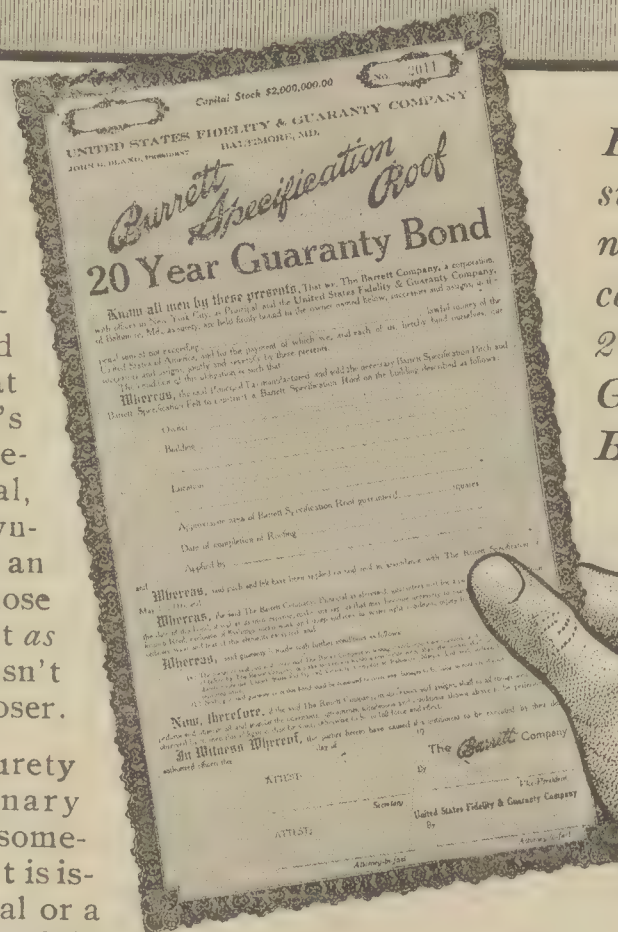
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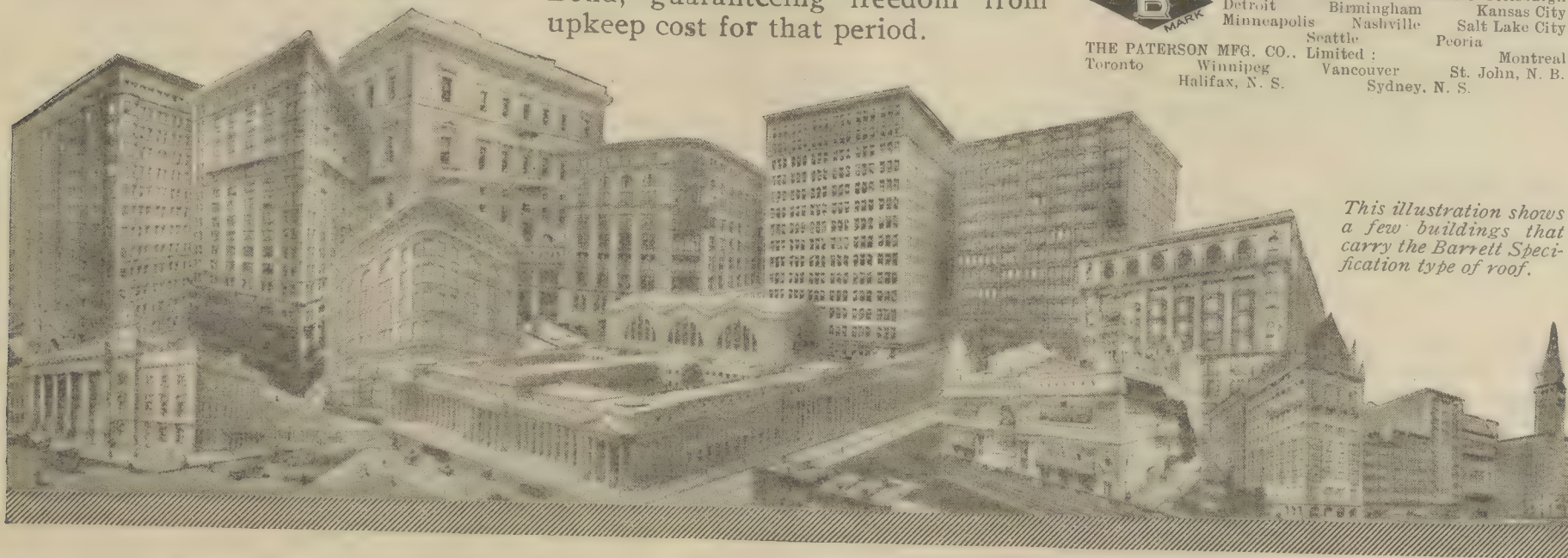
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Permits for New Buildings

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Philadelphia

Church, south corner Hancock and York streets. Cost, \$22,000. Alpha Baptist Church (O), on premises. Burd P. Evans (C), Thirteenth and Wallace streets. Brick, 1 story, 30x50 feet, reinforced concrete, steam heat.

Dwelling (1), Sixty-second and Chestnut streets. Cost, \$2,500. J. M. Blanchly (O), Llanerch, Pa. Taylor Malsan (C), Philadelphia, Pa. Brick, 3 stories, 16x51 feet, slag roof, hot water heating.

Dwellings (6), Morris street, north of Abington avenue. Cost, \$21,000. John McClatchy (O and C), 848 Land Title Building. Brick, 2 stories, 16x44 feet, slate roof, hot water heating.

Office, 960 North Front street. Cost, \$20,000. Esprui Realty Co. (O), 946 North Front street; F. A. Havens (C), 845 North Nineteenth street. Brick, two stories, 48x48 feet, slag roof.

Dwellings (8), McKean street and Abington avenue. Cost, \$28,000. John H. McClatchy (O and C), 848 Land Title Building. Brick, 2 stories, 16x44 feet, slate roof, hot water heating.

Dwelling and Garage, northwest corner Monmouth and Forty-ninth streets. Cost, \$2,500. E. F. Kurtz (O), North Wynnefield. J. Howard Roberts (C), Lansdowne, Pa. Brick, 2 stories, 25x25 feet, shingle roof.

Dwelling (1), 921-23 North Fifth street. Cost, \$35,000. John J. Wolf (O), 927 North Fifth street. Philip Haiback Cont. Co. (C), 1261 North Twenty-sixth street. Brick, 2 stories, 35x35 feet, slag roof, no heating.

Dwellings (2), 1637-39 Ruffner street.

Cost \$3,600. A. Borek Bros. (O), on premises. A. Sirmiensi (C), 1634 Runner street. Brick, 2 stories, 15x24 feet, slag roof, hot air heat.

Dwellings (2), 1427 Kater street and 1426 South street. Cost, \$7,500. Knight & Josephus (O), 307 Market street. A. Sokolove (C), 1715 North Franklin street. Brick, 2 stories, 15x25 feet, slag roof, hot air heat.

Dwelling, southeast corner Abington avenue and Navaho street. Cost, \$11,500. Dr. George Woodman (O), 709 North American Building. Wolverton & Callen (C), 7930 Germantown avenue. Stone, 3 story, 36x49 feet, shingle roof, steam heat.

Dwellings (4), south side Longshore street, west of Codwick street. Cost, \$7,800. Thos. Smith (O), 6932 Keystone street. Edw. Matthis Son (C), 4412 Wingohocking street. Brick, 2 stories, 16x30 feet, slag roof, hot water heat.

Garage, 2432 York street. Cost, \$1,600. George Raynes (O), 2332 North Twenty-fifth street. Edward Rieben (C), 2632 Cumberland street. Brick, 1 story, 24x73 feet, slag roof.

Garage, 1720 North Fawn street. Cost, \$2,500. F. A. McGrath (O), on premises. George Kessler Contg. Co. (C), 931 Drexel Building. Brick, 1 story, 76x54 feet, slag roof.

Garage, 1214-16 North Darien street. Cost, \$2,500. Swift & Co. (O), Boston, Mass. E. Hogg Const. Co. (C), 1634 Sansom street. Brick, 1 story, 30x36 feet, iron roof.

Dwelling, 563 North Second street. Cost, \$325. Thomas Lang, (O), 2003 Brandywine street. Samuel Rea & Son (C), 1608 Fairmount avenue. Alterations and repairs.

Kitchen, 3163 Frankford avenue. Cost, \$500. Herman Voss (O and C), on premises. Brick, 1 story, 11x18 feet.

Dwelling, northeast corner Queen Lane. Cost, \$400. Edward Trainor (O), 820 South Second street. Andrew Donaldson (C), 2237 Oakford street. Brick, 1 story rear, 9x18 feet, slag roof.

Garage, 360 Church lane. Cost, \$600. J. C. Peters (O), on premises. M. C. Rhelenbock (C), 4937 Baynton street. Brick, 1 story, tin roof, 18x21 feet.

Garage, 1327 Marston street. Cost, \$2,900. Charles Macker (O), 28th and Cumberland streets. Otto Malz (C), 2108 North Lawrence street. Brick, 2 stories, 19x40 feet, slag roof.

Dwelling, 3135 North Seventeenth street. Cost, \$340. O. R. Vogeler (O), 3131 North Seventeenth street. M. J. Benamy (C), 3042 West York street. Flush bulk repairs.

Dwelling, 4919 Knox street, Germantown. Cost, \$300. W. H. Keas (O), on premises. James Barrow & Sons (C), 4938 Wakefield street. Hot water heating system.

Factory, 406 Memphis street (rear). Cost, \$8,000. Brownshile & Cramer (O), on premises. Willard Myers (C), 2000 East Cambria street. Brick, 3rd, 4th and 5th story addition, 30x75 feet, slag roof.

Dwelling, 535 South street. Cost, \$4,200. J. C. Sheahan (O), 135 South Second street. Lam Building Co. (C), 1001 Wood street. Brick, 2 story addition (rear), 9x14 feet, 1 story side addition, 9x14 feet.

Workshop, Fifth street south of Lycoming avenue. Cost, \$1,025. Jacob Pech (O), Fifth and Cambria streets. John M. Hoefle (C), 2016 N. 5th street. Brick, 1 story, 15x16 feet, slag roof.

Dwelling, southeast corner Walnut lane and Greene street. Cost, \$600. Alfred Mellor (O), on premises. F. Wright (C), 22 Harvey street, Germantown. Install elevator repairs.

Apartments, 3620-22-24 Chestnut street. Cost, \$2,000. Weightman Estate (O), Weightman Building. August Geiger (C), 114 North Sixth street. Low pressure steam heating system.

Boiler house, southwest corner Jasper and Ontario streets. Cost, \$800. Bush & Terry (O), on premises. Robert Beatty (C), 2231 East Fletcher street. Roofing and alterations.

Church, northwest corner McFerran and Dell street. Cost, \$2500. American Apostolic Church (O), on premises. Henry Schneider (C), 3713 York street. Brick, 2 story addition, 43x10 feet, slate and tin roof.

Office, 1718 Chestnut street. Cost, \$300. Theodore Presser Co. (O), on premises. H. E. Grace Co. (C), 1707 Sansom street. Interior alterations.

Garage, 2212 North Park avenue. Cost, \$450. Park Avenue Auto Storage (O), on premises. H. E. Grace Co. (C), 1707 Sansom street. Alterations and repairs.

Testing Room, 205-07 Chestnut street. Cost, \$1,150. U. S. Conditioning & Testing Co. (O), on premises. C. F. Bachler (C), 146 North Tenth street. Bi-Loop hot water heating system.

Dwelling, 2004 North Thirteenth street. Cost, \$640. Mrs. Stanger (O), on premises. R. S. Heckler (C), Lansdale, Pa. Hot water heating system.

Alterations and Additions

School, 6th and Catherine streets. Cost, \$720. Board of Education (O), 19th and Market streets. M. H. Conner (C), 7119 Woodland avenue. Brick, 1 story, 9x11 feet.

Garage, 210 South Fortieth street. Cost, \$1,600. William Creesh (O), on premises. Harry Gill, Jr. (C), 2515 Germantown avenue. Repairs and alterations.

Dwelling, 3248 North Carlisle street. Cost, \$1,400. J. H. Fetterolf (O), on premises. William H. Schultz (C), 3340 North Carlisle street. Brick addition, 1 story, 16x25 feet, slag roof, hot air heating.

Play Room, northwest corner Nineteenth and Cayuga streets. Cost, \$300. Dr. Sutliff (O), on premises. Thomas Keeley (C), 4411 North Nineteenth street.

Locker House, 19th street and Allegheny avenue. Cost, \$10,000. Electric Storage Battery Co. (O), on premises. William Steele & Sons (C), 1600 Arch street. Brick, 1 story, 22x50 feet, slag roof.

Store, Seventeenth street and Sedgley avenue. Cost, \$2,800. Wheeler Mfg. Co. (O), on premises. R. M. Peterson (C), 5260 Wakefield street. Brick, 1 story, 30x60 feet, slag roof.

Warehouse, 317-19-21 North Third street. Cost \$1,000. McAdoo & Allen (O), 327 North Third street. P. Boice (C), Norristown, Pa.

Low pressure steam heating system.

Dwelling, 514 South Twenty-third street. Cost, \$2,000. W. Painter (O), 917 Walnut street. R. Meagher (C), 1223 Panama street. Alterations and repairs.

Dwelling, 4043 Girard avenue. Cost, \$500. H. Lubesine (O), on premises. Harry Feldman (C), 1017 Jackson street. Repairs.

Church, Upsal street corner Germantown avenue. Cost, \$19,000. Second Baptist Church (O), on premises. F. Eldridge Son (C), 5522 Germantown avenue. Stone, 2 stories, 60x22 feet, slate roof.

Store and Dwelling, 533 North Second street. Cost, \$550. Morris Wecht (O and C), 237 Fairmount avenue. New flush bulks and alterations.

Residence, 1639 North Fifty-second street. Cost, \$600. Mrs. Ranberg (O), on premises. J. S. Beck (C), 1613 North Addison street. Hot water heating system.

Dwelling, 5800 Springfield avenue. Cost, \$3,200. J. C. Magill (O and C), 5710 Chester avenue. Brick, 1 story rear, 16x14 feet, slag roof.

Stable (1), north side of Dauphin street, east of Twenty-eighth street. Cost, \$6,500. Quigley Bros. (O), 2811 West Dauphin street. Henry Schneider (C), 3713 York road. Brick, 2 stories, 54x54 feet, slag roof.

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Dwelling, 2824 West Dauphin street (rear). Cost, \$500. A. Gimelson (O), 4111 Poplar street. D. Gold (C), 4143 Poplar street. Brick, 1 story addition, 12x13 feet.

Bathroom, 119 East Mount Airy avenue, Chestnut Hill. Cost, \$325. Thomas Ball (O), on premises. Ludwig Kaelin (C), Lansdale, Pa. Interior alterations.

Church, 31st and Diamond streets. Cost, \$1,200. Congregation Brai Jeshur (O), on premises. M. Bast (C). Interior alterations.

House, 551 North Sixteenth street. Cost, \$1400. Mrs. Seigert (O), on premises. Weinbur & Marcus (C), 554 North Lawrence street. Brick, 1 story, 12x12 feet.

Store and Dwelling, 415 North Sixtieth street. Patrick Buckley (O), on premises. John P. Fallon (C), 449 South Sixtieth street. Brick, 1 story, 16x7 feet, flush bulks.

Garage, 6140 Ridge avenue. Cost, \$800. Charles H. Whitman (O), on premises. Elmer Culbertson (C), 334 Roxborough street. Brick, 1 story, 20x30 feet, slag roof.

Dye House, east side of Main street, south of Walnut lane. J. Luthwood (O), on premises. Elmer Culbertson (C), 334 Roxborough avenue. Repair fire damage.

Office, 115 Chestnut street. Cost, \$6,000. G. H. McFadden (O), 119 Chestnut street. J. S. Cornell & Son (C), Land Title Building. Interior alterations and repairs.

Shop, 1228 Pearl street. Cost, \$1,150. George K. Heebane (O & C), 1231 Vine street. Brick, 2 story, 17x50 feet, slag roof.

Dwelling, 1421 Cayuga street. Cost, \$300. E. Witrock (O), on premises. Philip Haitach Const. Co. (C), 1261 North Ninth street. Interior alterations.

Dwelling, 1633 Diamond street. Cost, \$300. W. E. Cook (O), on premises. Philip Haitach Const. Co. (C), 1261 North Ninth street. Alterations.

Garage, 36th street and Grays Ferry avenue. Barrett Mfg. Co. (O), on premises. Charles Colgan (C), 2065 South Salford street. Brick, 1 story, 29x217 feet, slag roof.

Dwelling, Eleventh street north of Oak lane. Cost, \$385. J. H. Groonstine (O), on premises. Frank R. Hill (C), 6700 North Sixth street. Brick, 1 story, 40x15 feet, tin roof.

Residence, second house on Tenth street, west side. Cost, \$2,200. Mrs. John Stine (O), 3124 North Rosewood street. Richard Gerbridge (C), 3122 Rosewood street. Alterations and repairs.

Storage House, 5338 Germantown avenue. Cost, \$400. McGarrigle (O), 5338 Main street. R. W. Peterson (C), 5250 Wakefield street. Repairs.

Dye House, 53 Wister street. Cost, \$5,000. O. F. Waters (O), on premises. R. W. Peterson (C), 5250 Wakefield street. Slag roof and repairs.

Dwelling, 2129 Medary avenue. Cost, \$1,620. Mr. George Sibel (O), on premises.

Thomas Carberry (C), Heed Building. Brick, 1 story addition, 12x16 feet, slag roof.

Garage, Fifty-fourth street and Woodland avenue. Cost, \$2,500. M. Grant (O), on premises. Samuel R. Edge (C), 5014 Willow street. Brick, 1 story, 20x74 feet.

Garage, Broad and Rockland streets. Cost, \$615. Henry Wetherhill (O), on premises. J. Y. Laux (C), 1121 Rising Sun lane. New bulk repairs.

Dwelling, 3705 Chestnut street. Cost, \$700. Weightman Estate (O), Weightman Building. Aug. Geiger (C), 114 North Sixth street. Steam heating system.

Dwelling, 5934 Haverford avenue. A. Hartman (O), on premises. T. Eshionuson (C), 1700 North Sixtieth street. New flush bulks.

Dwelling, 6134-36 Lansdowne avenue. Cost, \$2,000. E. Albrecht (O), 734 North Sixty-third street. T. Esbrunuson (C), 1700 North Sixtieth street. Brick, 2 stories, 15x18 feet, flush bulk, slag roof.

Store, 1422 Race street. Cost, \$450. Barber Hartman Co. (O). Warren E. Bicoe (C), 3954 Ludlow street. New flush bulks. Alterations.

Dwelling, 1507 Spruce street. Cost \$1,000. J. E. Spencer (O), on premises. Doyle & Co. (C), 1519-21 Sansom street. Elevator and repairs.

Saloon, 463-65 Third street. Cost, \$600. J. M. Mitcheson (O), 1608 Locust street. Doyle Co. (C), 1519-21 Sansom street. Repair fire damage.

Dwelling, 2528 North Tenth street (rear). M. Mulligan (O and C), on premises. Brick, 1 story, 12x16 feet.

Office Rising Sun lane. Cost, \$600. Eastern Paving Co., 1416 South Penn Square. M. J. Welsh (C), 7000 Woodland avenue. Brick, 1 story, 16x16 feet, slag roof.

Garage, 3111 North Broad street. Cost, \$575. W. Haney (O), on premises. Edward Rieben (C), 2632 West Cumberland street. Brick, 1 story, 16x18 feet, slag roof.

Store, Thirteenth and Bainbridge streets. Cost, \$2,500. Mrs. Miller (O), on premises. N. Rozinsky (C), 520 Dickinson street. Brick, 1 story rear, 17x19 feet, slag roof.

Store, 525 South Second street. Cost, \$400. Max Letman (O), on premises. H. Lovitz (C), 526 Fernan street. New bulks, alterations.

FIRE-PREVENTION PREPAREDNESS.

The protection of the home from fire is a duty too generally neglected. Thousands of dwellings, many of them palatial, burn every year. Dwellings have the least protection of any class of buildings; yet their burning entails the severest personal hardships, as most often they represent a large proportion of the family capital, or contain treasures which

money cannot replace. Scarcely can one find a town, village or community within commuting distance of New York without the embers of somebody's home. Not only is it saddening to view them, but the long continuance of ruins in a neighborhood is a distinct detriment to adjacent property. Anyone who is about to build a dwelling in city or suburbs should peruse a treatise which Prof. Ira H. Woolson has written in response to many requests, on the subject of the construction and fire-prevention of dwelling houses. The work is an exceptional one, from which the layman can acquire a liberal education in house construction and the professional a good idea of modern standards.

The proportion of dwellings totally destroyed after once catching fire is high, because most often they burn freely, and are remote from efficient fire-fighting apparatus. Yet, with little or no additional cost, but with more thought and care, even frame houses can be so constructed that they will resist or delay the spread of flames until they can somehow be extinguished. It is Prof. Woolson's assurance that no one feature of house construction will contribute more to its safety than fire-stops, and he urges that incombustible fire-stopping material be used wherever possible. The added cost will be slight. A well-built frame building, fully fire-stopped, is equal, in his opinion, to a masonry wall and interior wood construction, so far as pertains to resistance to an interior fire. But into every dwelling there should be incorporated three fundamental features, namely: (a) a proper protection of stairways and other vertical openings; (b) a second means of exit from upper stories; (c) a fire-resistive horizontal cut-off between the cellar or basement and the floor above, because the fires most dangerous to life start in the cellar, basement or first story.

Again, the three leading known causes of fire are defective chimneys and flues, sparks on roofs and the accidental ignition of highly inflammable oils, such as gasoline. Proper chimney construction is, therefore, the author warns, the one most important feature in reducing the chances of fire. To chimneys, flues, smokepipes and fireplaces he accordingly gives extended consideration.

It need not be said that the author prefers masonry to frame construction, and real fire-proof construction first of all; but he recog-

nizes the fact that few indeed are, or ever will be, the homes structurally incombustible, to say nothing of the contents, and that the greatest field of usefulness for the suggestions contained in the book is in connection with the vast number of unpretentious dwellings situated where there is but slight conformity under present conditions to the standards of safe construction. Some of the suggestions are suitable only for certain types of high-class buildings, but the majority are

applicable to private dwellings of all grades.

Professor Woolson, the author, is the consulting engineer to the National Board of Fire Underwriters, to whom the public is indebted for this free contribution to the campaign of fire-prevention preparedness. The pamphlet is strictly educational in character, entirely practical and doubtless will be the means of preventing the utter destruction of many homes.—“New York Real Estate Record.”

THE MUNICIPAL ART SOCIETY

The Municipal Art Society of New York was organized in 1892, that there might be established a meeting ground for citizens interested in the æsthetic welfare of the city. With this general purpose in view, the society has concerned itself with sites for monuments and fountains, with traffic problems and improvements of the city plan, with the city parks and the exterior decorations of the public buildings, and with mural decorations, especially in schools. It has also contributed directly and indirectly many thousand dollars toward the decoration of the city with appropriate works of art.

Though often confused with the Art Commission of the City of New York, the Municipal Art Society has no relation with the Commission other than that of friendly co-operation. The legislation creating the Commission of the City of New York was initiated by the Municipal Art Society and by it carried to a successful conclusion.

Since the organization of the society its work has varied from year to year, as opportunities have offered and needs for its aid have arisen. It has, for instance, carried on an active campaign against the abuse of outdoor advertising signs, and in connection with the National Highways Association, has co-operated with representatives in various cities for a more extended and organized opposition to this public affront in city and in country. Its committee has prepared the first of a series of pamphlets dealing with this matter for country-wide distribution. This seeks to direct public sentiment toward suitable legislation abating this public nuisance.

Another of the society's purposes has been to keep before the public the advantages of good design in all of the things that the city undertakes. With this in view, it has installed in the Lorillard Mansion, Bronx Park, a permanent exhibition of photographs of Municipal Art assembled from the Art Commission, the Bronx River Parkway Commission from the society's own collection, and from the work of architects who have carried out municipal projects. It has also installed in Horticultural Hall, in the New York Botanical Gardens, an exhibition of works of natural decoration: window boxes, roof gardens, trees, etc., in the City of New York.

The society has in preparation a municipal

art survey of New York City. This will plot upon a large map the existing monuments and other works of outdoor art. Later an actual survey of the city will be made as a basis for constructive suggestion and criticism in the apportionment of works of art, which may be offered to the city from time to time.

Since its organization, the society has held various exhibitions of works of municipal design, that the importance of these might be kept before the public. It has also contributed directly to the decoration of the city. One of its earliest accomplishments was the placing of the mural paintings by Mr. Edward Simmons in the court room of the Supreme Court in the Criminal Courts Building, Manhattan. Later, in collaboration with other societies, the “Hunt Memorial” was presented to the city. This is located on the east side of Central Park and commemorates Mr. Richard Morris Hunt, one of the city's most distinguished architects, and first president of the society. The improvement of Coney Island Park, Borough of Brooklyn, was another result of the society's earlier efforts.

From time to time the society has instituted competitions for the enrichment of the city by street fixtures, combining artistic design with the practical utility. As a result of these competitions, the handsome bronze electroliters in Longacre Square were secured. The design for these, together with the triangular street signs on the lamp-posts, also secured through the society's competitions, are the property of the city and can be multiplied indefinitely through its five boroughs. The society has also erected two Hero Tablets in the New Police Headquarters. These contain the names of the men of the New York Police force who have met death at the post of duty.

The society now offers annual prizes of fifty and twenty-five dollars, to be competed for in the Society of Beaux-Arts Architects. It also offers a trophy with medals to be competed for in the high school art classes. This trophy consists of a bronze medallion mounted upon an oak tablet. It is awarded to the school whose team of five pupils succeeds in scoring the highest number of points in open competition each school term.

Various other gifts have been made by, or through, the society. A number of these have

been directed toward the mural decoration of the city's public schools. Among the decorations thus secured may be noted the sculptured over-mantel executed by Miss Frances Grimes and placed in the foyer of the Washington Irving High School. This is a gift of an anonymous donor through the society. Through the munificence of Mrs. Edward H. Harriman, the decoration of the foyer of this school is being carried on by Mr. Barry Faulkner in fourteen large panels. The society has contributed directly to the decoration of the walls and ceiling of the main staircase.

For a number of years past, the society has held an annual exhibition in the galleries of the National Arts Club of works of municipal design and construction. It has also conducted elsewhere in the city a number of exhibitions devoted to the special objects of the organization, and calculated to arouse appreciation of good in existing works of art, and intelligent interest in the improvement of unfavorable conditions. Its own affairs and these other matters concerning the æsthetic welfare of the city it presents to its members in a quarterly illustrated bulletin.

In all of the matters thus outlined the society has sought to act as a body of professional and lay members bound together by a common interest in the city's welfare. At no time has this work been without effect, but of recent years it has become of significant value. At the present time much is being attempted in the city which calls for unusually intelligent handling along æsthetic lines. A general propaganda of preparedness has therefore been undertaken by the society, and is being maintained through all branches of its organization.

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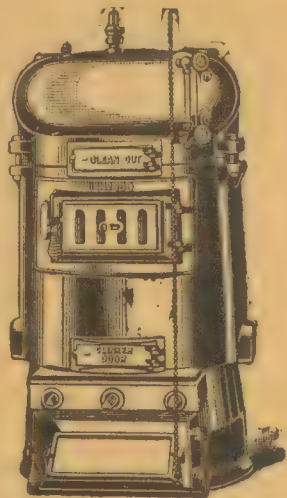
Read “The Guide.” Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

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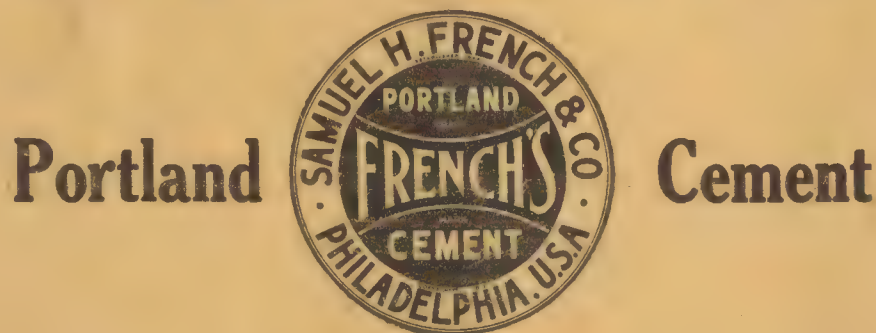
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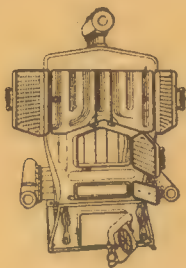
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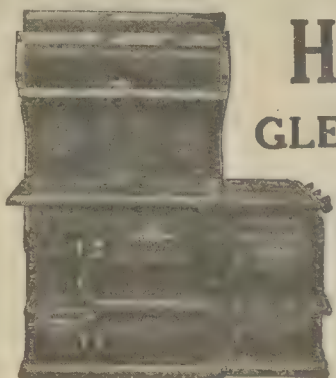
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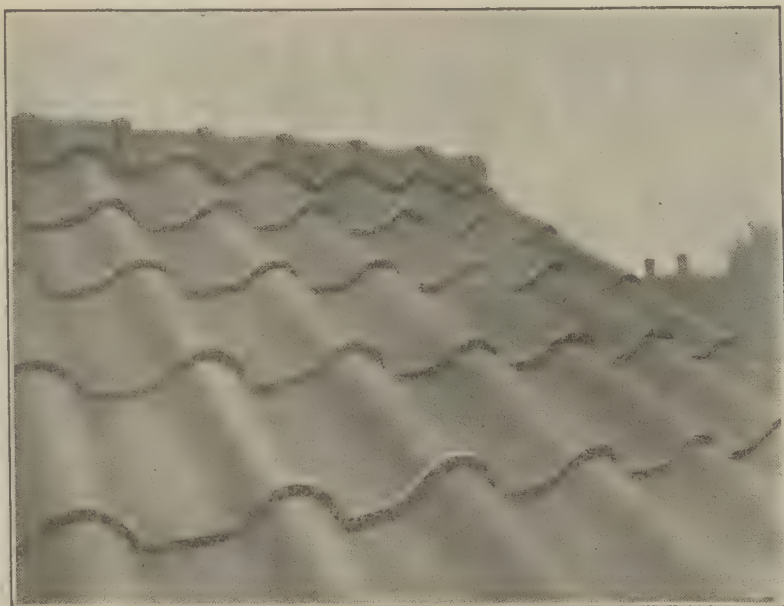


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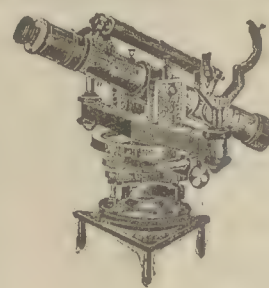
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 37

PHILADELPHIA
September 13, 1916



As The Editor Sees It



THE skyscraper has found a defender, and a right doughty and valiant defender, in the person of Mr. Arthur Brisbane, editor in extraordinary of Mr. William R. Hearst's *New York American*. Mr. Brisbane can see no wisdom in the proposition to limit the height of buildings. He calls the effort being made to impose restrictions upon the number of stories a man may build into the air "foolish," "narrow-minded," "short-sighted."

Mr. Brisbane quotes a letter from Mr. Hearst in which that far-visioned gentleman remarks:

NEW YORK, in former times, looked like any other city, without that distinguishing skyline which has come to be the admiration of artists, of educated and travelled people throughout the world.

Many trying to prevent this natural and beautiful development of American architecture belong mainly to the conservative element—conservative because they have not the imagination to be anything else. They do not believe in anything but what has previously existed. They think that anything different is wrong because it is different.

"The distinctive American architecture was developed in the enormously tall building of to-day.

"Every great age has had its distinctive architecture. It expressed the sentiment and the conditions of its age. This age of ours is a great age, and the business conditions, the mechanical conditions and the sentiments and requirements of our period should be expressed in our architecture.

"Many peoples previously have recognized the impressiveness of great height. The Egyptians labored for years to erect the Pyramids. The Middle Ages expressed their ideas in the lofty spires of the Gothic cathedrals.

"It has remained for this age to combine utilitarian requirements and mechanical developments in the high office building. Only now is it possible to erect a monument which is a profitable monument.

"Only now can we erect the structure which has been the dream of ages and make it self-supporting financially.

"Will you please oblige me personally by fighting continually to preserve the opportunity for American architecture to develop in this distinctive and beautiful form?"

* * *

BRISBANE goes back to the cave man for the text of his editorial defense of the skyscraper. "Just as surely," says Brisbane, "as humanity once lived in that cave under the rock ledge, just so surely will human beings one day live in palaces thousands of feet high." And again, "Houses that man will build in the future will be as high above the dwellings of to-day as the modern skyscraper is high above the Bushman's hovel."

According to Brisbane our descendants "will see man with his flying machine directing his flight to the spot that belongs to him on the sunny side of some steel palace a mile or two in height." The man who says that this is ridiculous, utterly impossible, "simply lacks imagination."

"Man is a building animal. His history is a wonderfully interesting history of building, of the struggle against the power of gravitation that draws everything back to the earth, and of the ambition in man that overcomes all limitations.

"The ancients built, and at the corner of the building they buried one or more human beings especially slaughtered for the purpose to placate evil spirits and make the building stand.

"Man to-day puts at the corners of his building piers of concrete, actually creating the rock upon which his house will rest, or he sinks great steel caissons, upon which structures of steel can float in the ooze and mud.

"The building based formerly on murder is now based on exact science—wonderful progress.

"The Egyptians built their Pyramids, and at one of these heavy structures one hundred thousand slaves labored under the lash for a quarter of a century. To-day a contractor will build you a building twice as high, finish it in six months if you demand it, oppress no man in the building, rivet his steel beams with the power of compressed air, and pay the man who holds the "air gun" five dollars a day.

"There is progress, from stone and slavery to steel and freedom."

* * *

AT Rome you see the wonderful dome of St. Peter's, the roof of Michael Angelo's genius. The stones of that dome, rising gradually, leaning toward each other, were so neatly fitted and scientifically calculated that the great edifice rose to its finishing surely and steadily. But much experimenting was back of that.

"You may see another dome in Italy, another structure where stones come together, leaning toward each other form a rounded top. And this is the history of THAT dome. They knew no way of building a dome so that the stones in the running circle should not fall in. When they reached the top and touched it was simple for then they held each other.

"In this other ancient dome, the inside of the church and the inside of the dome were filled with earth. In the earth were scattered small silver and copper coins. As the dome went higher the

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earth was piled higher to hold the stones and keep them from falling. Finally the stones touched at the top and the building was secure. Then the people were told to go in, dig out the earth and keep for themselves the money that they found. There was a building based on knowledge of human nature."

* * *

TO-DAY all building is scientific. If you want a steel structure to go a mile into the air, write a note to Judge Gary of the United States Steel Corporation or to President Farrell. Each will refer you to the genius of modern palace building, Joshua A. Hatfield, head of the American Bridge Company.

"Mr. Hatfield will put his engineers to work. They will figure to a pound the steel needed to carry the weight, the strength of wind pressure, the dangers of vibration and swing. The building, no matter how big you want it, will be made in parts like a gigantic basket of steel, perhaps hundreds of miles away from the place where it is to stand. It will be created complete in one of the Hatfield laboratories, put on the cars and your structural steel men with their 'air guns' will put it together. And every piece will fit. No more experimenting, all science.

"Everything on this earth, except what nature gave us in the crude state, is simply nature PLUS HUMAN THOUGHT.

"And this is proved by the modern steel palace. Every great building that you see standing was once absolutely complete in the brain of such a man as Hatfield, or one of his engineers. The mere building is the least part of it. The whole thing comes complete from the brain of the mechanical scientist, as in ancient mythology the God came complete from the forehead of another god."

* * *

TO limit man's building power, 'concludes Brisbane,' is like putting a straightjacket upon genius, or an iron band around the head of a half grown child.

"You can imagine what would have happened if those cliff dwellers had decided to limit the size of the human head. They would have put a tight band of a certain size around each head, and said, 'Your head must grow no bigger.' The ancient Gauls did something of that kind. But they put their band of bronze around the waist of the young warrior when he reached his full growth and said to him, 'If you let yourself get fat, unfit for war, that band of bronze will cut into you and you will be sorry.' The Gauls knew enough not to put their band around the forehead of the warrior.

"Modern Americans should know

enough not to put any band of limitation upon the genius of the American builder.

* * *

THIS is an interesting view of a subject that has been engaging popular attention, in New York City at least, for some years. The chief objections to the skyscraper have been two—first, that by centralizing, as it were, an immense quantity of renting space it has sapped whole blocks on every side, thus depreciating and unsettling established values and, second, that in shutting off, to a considerable extent, the light and air from the smaller surrounding buildings, it has amounted to a serious infringement on the rights of the owners and occupants of these buildings. It will be noticed that neither Mr. Brisbane nor Mr. Hearst approach the subject from that angle. Their point of view is that the proposed limitation amounts to a foolish embargo on the genius of the architect and builder.

The Guide owns to a certain curiosity to learn in just what light the architect of to-day is inclined to view the Bris-

bane flight into airy-altitudinously airy-prophecy.

Do you agree with the Brisbane view or take issue with it and, in either case, for what reasons? The material is here for an interesting little symposium if our architectural readers will snatch the time to write an opinion or two. What is *your* view, Mr. Architect?

* * *

IN last week's "Guide" in an editorial chapter on the importance of the individual garage as a necessary feature of the investment dwelling I was made to say "*These here statistics quoted speak for themselves.*"

I did not write it that way of course. What I did write was that "the statistics here quoted speak for themselves." The fellow who pounds my copy into type on the keyboard of his type setting machine did the rest. May I tender an apology to those of my readers whose intellectual sensibilities were jarred more or less by this slip of the type?

Thank you and here's hoping it may not occur again.

EDITORIAL NOTES

Contracts amounting to \$491,310 were awarded for new buildings and additions to the public schools by the property committee of the Philadelphia Board of Education last week. Contracts for construction of an annex to the Northeast High School was given to Thomas Reilly at a cost for the building alone of \$332,815. With the heating, ventilation, electrical fixtures and plumbing the structure will cost \$447,852.

Contracts also were given out for heating the Holmes School, Fifty-fifth and Chestnut streets, at \$29,940, for putting domestic science equipment in the Hawthorne, Longfellow, Mitchell and Hay buildings, and for paving and grading at the Lowell, Stowe, Sharswood and Poe schools.

* * *

Robert Lee Dunn, manager of the All-Americas Association, which has a membership of more than six hundred large American firms, declares that the business done by the United States with Mexico has substantially increased the last month. The expansion is attributed by him to the lifting of the embargo by the President.

Mr. Dunn says that the resumption of the oil fields which sell oil to the British Government has brought about a rush of import orders and predicts that exports from the United States to Mex-

ico will total one-third of our business with South America this year.

* * *

Joseph E. Widener is having his house and gallery at Elkins Park, near Philadelphia, renovated for the installation of two Denatelle sculptures recently purchased by him from P. W. French & Co. The bust of St. John and the full-length figure of David were both formerly in the possession of the Martelli family of Florence, and it is said that the Italian Government permitted the works to leave the country only in consideration of the gift to the Bargelle of a third example of Denatelle, a standing figure of St. John. The two works bought by Mr. Widener have long been desired by collectors, including Mr. Morgan and the founder of the Widener collection.

* * *

The Federal Forest Products laboratory at Madison, which did much of the technical investigation preliminary to the formulation of the density rules for southern pine, for the determination of relative strength values of various grades of lumber, and which is now working on the same tests for Douglas fir, has begun another series of tests for Wisconsin home lumber, hemlock. The laboratory is testing a large number of joists and large stringers, given a grading by the manufacturers according to their usual custom before being sent to the

laboratory for technical tests. The data secured by these tests will furnish a basis for recommending proper fibre stresses to be used with hemlock timbers.—*Mississippi Valley Lumberman*.

* * *

Charles M. Schwab, Carleton Schwab Wagner, his nephew, and Sam D. C. Rebman are reported to have bought from Thomas J. Prices and William G. Pursel the Danville Structural Steel Company for about \$300,000. The sale also includes, besides the iron mill, all other real estate of the company.

* * *

Raw gypsum from Nova Scotia for this market is calcined at the J. B. King & Co. mills at New Brighton, the Higginson plaster works at Newburgh and at works in Brooklyn and Chester, Pa. There are a total of sixty-nine manufacturing plants in the country. The average price of raw and calcined gypsum decreased 9 cents a ton in 1915. Six plants manufacture Keene's cement, and twelve make gypsum block, tile and plaster board.

* * *

Charles F. H. Johnson of the Passaic Board of Trade has acquired for the Brighton Mills, cotton fabric manufacturers, a tract of three hundred acres at Allwood, N. J., near Passaic, on which the owners plan the erection of a model village for the accommodation of the eleven hundred employees of the mill. No details regarding this project could be learned, although it was said that the village will include not only about one hundred and twenty cottages, but also a library, hospital and schoolhouse, to be maintained by the company.

* * *

Compensation agreements, involving a total of \$1,300,000, for five hundred and ninety-two deaths, caused by industrial accidents, have been arranged by the Pennsylvania Workmen's Compensation Board since January 1st, according to announcement by Chairman Harry A. Mackey.

* * *

In addition to death agreements, the amount of compensation paid by employers to workmen for disability amounted to \$450,000 up to August 1. An estimated total of thirty thousand injuries were reported and in virtually every case there was amicable settlement.

The close of the present year, the first in which the compensation act has been in effect, will bring the total recorded industrial accidents in the state to one hundred thousand, according to the board's estimates. This number will exceed the 1915 total by forty thousand, an increase due, states Chairman Mackey, to the fact that only about one-third of

the accidents were reported prior to the enforcement of the new act.

Commissioner of Labor John Price Jackson said yesterday that all of the cases before the board have been settled without friction between employer and employe, without law suits and their attendant high costs for litigants, and without any unnecessary delays.

BUILDING STATISTICS.

Comparative statistics of building and engineering operations in New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iowa, Wisconsin, Michigan, Minnesota, North and South Dakota and portions of Missouri and eastern Kansas, as compiled by the F. W. Dodge Company:

Contracts awarded January 1 to July 1:

1916.....	\$596,583,586
1915.....	413,532,600
1914.....	382,532,000
1913.....	472,372,000
1912.....	406,011,000
1911.....	416,227,813
1910.....	454,145,798

Comparative statistics of building and engineering operations in New York State and northern New Jersey, as compiled by the F. W. Dodge Company:

Contracts awarded January 1 to July 1:

1916.....	\$74,922,500
1915.....	72,558,000
1914.....	65,926,000
1913.....	158,017,500
1912.....	122,328,000
1911.....	129,784,000
1910.....	144,918,000

BUILDING EXPOSITION IN PARIS.

"The Reconstructed City" is the name of the world's exposition being held in Paris, France, which began May 15, to continue for four months. "The Reconstructed City" is a French national exposition to teach, even at this early date, how to rebuild the war-wrecked portions of northern France, when the war is ended. That the French Government is already planning on an entire reconstruction of the cities destroyed by the movements of armies back and forth across the northern provinces is evidence of foresight of an unusual type.

The exposition is in several sections, devoted to road-building, city planning, city residence construction, city industrial building, and rural work. In some cases the city planning department will work for an entire reconstruction on entirely new lines of the cities which have been wrecked by bombardment. In other cases only building construction along the old streets will be required. The road work will be important also, for shells have raised havoc with the famous highways of northern France. Ruined farms will be no small part of the problem of reconstruction.

TWO DECISIONS ON BUILDING CONTRACTS.

Two recent court decisions relate to contracts.

The United States Circuit Court of Appeals ruled in the case of the Equitable Surety Company vs. the Board of Commissioners that if a surety company signs a contractor's bond after receiving a draft of the contract providing that advances shall be made only as work progresses, the owner, having made advances contrary to the contract on which the bond is issued, cannot recover against the surety.

In the suit of C. E. Gates & Co. vs. the National Fair and Exp. Association the New York Supreme Court decided that labor and material not disapproved by the owner after having been expressly brought to his attention shall be regarded as consented to.

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

BUILDERS' GUIDE

FORMERLY

The Philadelphia Real Estate Record
and Builders' Guide

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hotel, southwest corner Darien and Catherine streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue. Owner, Frank Palumbo, 824 Catherine street. Brick and terra cotta, 4 stories, 68x84 feet, slag roof, hot water heating, electric lighting, marble and tile work, metal lath, fire doors, kalamein doors, vacuum cleaner system. Owner taking bids. Pomeroy Construction Co., 1609 Ransstead street, is figuring.

Factory Buildings (2), Third and Allegheny avenue, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Bernstein Manufacturing Co., on premises. Brick and concrete, 3 stories, 70x70 feet and 45x48 feet, slag roof, steam heating, electric lighting, metal sash. Plans about completed. Architects will take bids in a few days.

Office Building, 529 Chestnut street, Philadelphia, \$50,000. Architects, A. M. Adams, 1012 Walnut street, and Wallace & Warner, Real Estate Trust Building, Philadelphia. Owners, Girard Life Insurance Co., Drexel Building, Philadelphia. Stone, brick and steel, 2 stories, 24x100 feet, slag roof, steam heating, electric lighting, metal lath, marble and tile work. Plans about completed. Architects will take bids in about ten days.

Residences (2), Cliveden avenue, near Wissahickon avenue. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, John A. Seeds, Upsal street and Wissahickon avenue. Stone and brick and plaster, 2½ stories, 32x54 feet each, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Architect taking bids, due September 15th. The following are figuring: I. A. Dunkelberger, 71 E. Herman street; Monaghan & Lease, 3106 Chestnut street. Chas. Johnson, 5701 Boyer street; Wills-Ludwick & Co., 34 S. Seventeenth street; W. O. Springer, 1624 Chestnut street, and Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Service Building, Broad and Melon streets, Philadelphia. Architect, M. H. Dickinson, 2330 Market street, Philadelphia. Owner, Samuel Gorson, 238 N. Broad street, Philadelphia. Brick, terra cotta and concrete, 3 stories, 80x86 feet, slag roof, steam heating, electric lighting, elevator, steel sash. Owner taking bids, due September 13th. Alex. Chambley, 246 South Tenth street, and Harry Gill, Jr., 2515 Germantown avenue, are figuring.

Store Building, 1305 Vine street, Philadelphia. Architect, F. E. Hahn, 1112 Chestnut street, Philadelphia. Owner, H. S. Marks, 1717 Spring Garden street, Philadelphia. Brick, 3 stories, slag roof. Architect taking bids, due September 15th. The following are figuring: Lam Building Co., 1001 Wood st.; Smith-Hardican Co., 1606 Cherry street; I. T. Shoemaker, 1324 Walnut street; McCloskey & Bahls, Hale Building; Freund Construction Co., Bulletin Building; H. Reusswick, 137 N. Tenth street.

Blacksmith Shop (alts.), northeast corner Howard and Cumberland streets. Architect, Herman H. Kline, Sixth and Mifflin streets. Owner, Barney Smyth, on premises. Stone and brick, 2 stories, slag roof, modern plumbing, hot water heating, combination lighting. Plans in progress. Owner will be ready for bids in about one week.

Residence (alt. to Bakery), 1100 N. Forty-first street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, A. Liebovitz, on premises.

Brick, 3 stories, new front, ovens, etc., tile work, metal ceilings, combination lighting. Plans completed. Owner will be ready for bids in about one week.

Parochial School, Belgrade and Westmoreland streets and Madison avenue. Architect, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Church of the Nativity, Monsignor J. P. Turner, on premises. Brick, stone and steel, fireproof, 4 stories, 125x170 feet, slag roof, steam heating, electric lighting, tile work. Architect taking revised bids, due September 14th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Melody & Keating, Bailey Building, and Wm. R. Dougherty, 1610 Sansom street.

School (add) (2 wings), Eighth and Lehigh avenue, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut sts., Philadelphia. Owners, Board of Education, Nineteenth above Chestnut streets. Brick and stone, 3 stories, 60x200 feet each, composition roof, metal lath, concrete floors, roof ventilators (heating, plumbing and electric work separate bids). Lowest bid submitted by Thomas Reilly, 1616 Thompson street, Philadelphia, \$332,000.

Residences (32), Morris street and Abbottsford avenue, Philadelphia. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owner, John H. McClatchey, Land Title Building, Philadelphia. Stone, 2 stories, (garages in basement), slate and slag roofs, hot water heating, tile work, hardwood floors, electric lighting. Owner will take sub-bids on all lines.

Garage, Fifty-ninth and Media avenue, Philadelphia. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, Wm. H. Purdy, Swanson and Christian streets, Philadelphia. Brick, 2 stories, 78x100 feet, slag roof (hot water heating, electric lighting, plumbing and gasoline storage system, reserved). Owner taking bids, due September 13th. The following are figuring: Jacob Myers & Sons Co., Witherspoon Building; Lincoln H. Smith, Hale Building; Loos & Dothard, Commercial Trust Building; Wm. A. Patterson, 5533 Vine street.

Residence (alt. and add.) and Garage, 4207 Walnut street. Architects, Newman & Harris, 1123 Broadway, New York City. Owner, Joseph H. Reilly, 4538 Chestnut street. Brick, plaster and terra cotta, 3 stories, tile roof, electric lighting, oak floors, metal weather strips, cabinet work, tile work (plumbing and heating reserved). Architect have received bids.

School (alt. and add.), Main and Coulter. Architects, Morris & Erskine, Crozer Building. Owners, Germantown Friends School, on premises. Brick and rough cast, 1 story, 36x36 feet, slate and asbestos roof, terrazzo floors. Architects have received bids.

Hospital (alt. and add.), Broad and Mifflin streets. Architects, E. F. Durang & Son, 1220 Locust street. Owners, St. Agnes Hospital, on premises. Consists of 1 story kitchen wing and interior alterations. Architects have received bids.

Post Office (alts.), Ninth and Market sts. Architect, J. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Plumbing, heating, metal lath, tile work, dumb waiter. Owners taking bids, due

September 11th. Chas. McCaul Co., 1713 Sansom street, is figuring.

Bakery, Forty-first and Wallace streets, Philadelphia. Architect, Charles Balderston, 141 Walnut street, Philadelphia. Owner, John L. Heermann, 4136 Lancaster avenue. Brick, 2 stories, 100x90 feet, slag roof, steam heating, electric lighting, fire doors, roof ventilators, ventilating sash, elevator. Plans in progress. Architect will take bids in one month.

Recreation Building, Fifty-third and Chester avenue, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Little Sisters of the Poor, on premises. Brick, 2 stories, slag roof (heating and lighting reserved). Builder, Wm. J. McShane, 417 South Thirteenth street, is taking sub-bids on all lines.

Residence, Sentner street, Philadelphia. Architects, Sheen & Gill, 450 North Wilton street, Philadelphia. Owner, C. W. Ridgley, care architects. Frame and plaster, 2 stories, 20x30 feet, roofing not decided, hot water heating, electric lighting. Plans in progress. Architects will take bids in two weeks.

Residence, Overbrook, Philadelphia. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owners, Morris Estate, Overbrook, Philadelphia. Stone, 2½ stories, 41x26 feet, wing 18x18 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Architects have received bids.

Residence and Studio, 1516 Spruce street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Charles T. Ashman, 1622 Chestnut street, Philadelphia. Interior alterations, new front and hardwood floors, new hot water heating system, electric lighting, plumbing. Plans completed. Owner ready for sub-bids.

Bakery, Fifty-second street, near Florence avenue, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Freihofer Baking Co., Twentieth and Indiana avenue. Brick, reinforced concrete & steel, 6 stories, 200x400 feet, slag roof, steam heating, electric lighting, steel sash, elevators. Plans in progress.

Residence and Garage, Overbrook, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, Geo. S. Munson, 715 Walnut street, Philadelphia. Brick, 2½ stories, 77x33 feet, shingle roof, oak floors, tile work (heating, plumbing and electric work separate bids). Revised plans in progress.

Factory (alt. and add.), 1631 North Second street, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Keystone Spinning Mills Co., on premises. Brick and concrete, 4 stories, slag roof, steel sash, electric lighting. Architects ready for bids.

Store and Office Building, Fifth and Arch streets, Philadelphia. Architect, Wm. C. Furber, 418 Arch street, Philadelphia. Owner, J. Clifton Buck, 429 Arch street, Philadelphia. Brick, terra cotta and concrete, 3 stories, 33x33 feet, slag roof, steam heating, electric lighting, composition floors, metal sash, dampproofing, fire doors, safety treads, sprinklers. Architect has received bids.

Residence and Garage, Allen lane, east of McCallum street, Germantown. Architects, Duhring, Okit & Ziegler, Bailey Building, Philadelphia. Owner, Wm. Reuss, 431 W.

Upsal street, Germantown. Stone, 2½ stories, 30x80 feet, slate roof, electric lighting. Plans in progress. Details not decided.

Bakery, 209 to 213 South Eighth street, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Henry Rohner & Co., Fifth and Race streets, Philadelphia. Reinforced concrete and brick, 4 stories, 50x57 feet, slag roof, steam heating, electric lighting, elevators, metal sash, fire doors, roof ventilator. Architects taking bids, due September 13th. The following are figuring: Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Turner Concrete Steel Co., 1713 Sansom street; Warren, Moore & Co., Commercial Trust Building, Philadelphia.

Residence (alt. and add.), 1635 Spruce st., Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Joseph R. Wainwright, 505 Chestnut street, Philadelphia. Brick, 3 stories, addition 15x22 feet, slag roof, wire lath, dumbwaiter, damp-proofing, electric lighting, tile work. Architects have received bids.

Church (alt. and add.), Park avenue, below Berks street. Architects, Watson & Huckel,

1211 Walnut street, Philadelphia. Owners, Third Church of Christ Scientist, on premises. Stone, 1 story, 50x60 feet, slate roof, vapor vacuum heating, electric lighting. Architects taking bids, due September 14th. The following are figuring: H. C. Rea Co., 1027 Wood street; A. H. Williams' Son, 419 Locust street; Stacy Reeves & Sons, 2011 Market street; James Johnston, 1721 Ludlow street; Thomas Little & Son, 1713 Moravian street; Burd P. Evans & Co., Thirteenth and a Wallace streets.

Engine Room and Offices (add.), W. Phila. Yards. Architect, Wm. H. Cookman, Broad St. Station. Owners, Penna. Railroad Co., Thirty-second and Powelton avenue. Brick, 1 and 2 stories, 50x12 feet, slag roof, concrete floors, safety treads, ventilators. Owners have received bids.

Church (add.), St. Marks street and Woodland avenue. Architects, Duhring, Okie & Ziegler, Bailey Building. Owners, St. Monica's P. E. Church, Rev. Richard Bright, 2135 South Fifty-eighth street. Consists of additional story, stone, 60x40 feet, slag roof (heating, plumbing and electric work separate bids). Architects have received revised bids.

Owners, St. John's Magyar R. C. Church, Rev. John P. Schimko, South Bethlehem, Pa. Stone, 1 story, 161x85 feet, slate roof, steam heating, electric lighting. Plans in progress.

Offices and Apartments, Nazareth, Pa., \$17,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner's name withheld. Brick, 3 stories, 40x60 feet, slag roof, steam heating, electric lighting. Plans in progress.

Market House (alts.), South Bethlehem, Pa., \$5,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Borough of South Bethlehem. Brick, 1 story, 40x80 feet, electric lighting, composition counter tops. Plans in progress.

Factory, Allentown, Pa., \$15,000. Architects, Jacoby & Weishample, Allentown, Pa. Owner, James K. Bowen, Allentown, Pa. Brick, 4 stories, 25x100 feet, slag roof, steam heating, electric lighting, steel sash, elevator, ventilators, fire doors, sprinkler system. Ready for sub-bids.

Hospital and Nurses' Home, Easton, Pa. Architect, W. M. Michler, Easton, Pa. Owners, Easton General Hospital, Easton, Pa. Hollow tile and stucco, 3½ stories, 235x173 feet, steel sash, elevators, electric lighting, steam heating. Plans in progress. Architect will take bids January 1st.

Bungalow, Bethlehem, Pa. Architects, Jacoby, Weishample & Weigner, Bethlehem, Pa. Owner, A. W. Roberts, Bethlehem, Pa. Brick and frame, 1½ stories, 35x48 feet, slate roof, hot water heating, electric lighting. Architects ready for bids.

Club House, Conshohocken, Pa. Architect, H. L. Reinhold, Jr., 1309 Walnut street. Owner, The Penn Club, Conshohocken, Pa. Cement block, 2 stories, 30x85 feet, electric lighting, steam heating, shingle roof. Plans in progress.

High School, Chester, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Board of Education, Geo. Mitchell, Chairman, Chester, Pa. Brick and Stucco, 2 stories, 76x101 feet, slate roof, metal lath, roof ventilators, kalamein doors, safety treads, reinforced concrete floors, iron stairs. Lowest bid submitted by Charles McCaul Co., 1713 Sansom street.

Warehouse, Scranton, Pa. \$20,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owner, Capruse Warehouse Co., Scranton, Pa. Brick, 3 stories, 56x100 feet, slag roof, steam heating, electric lighting, waterproofing, fire doors and curtains, ventilators, elevators. Plans completed. Architect is taking bids.

Residence, Kingston, Pa. \$10,000. Architect, Henry A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Wm. Israel, Kingston, Pa. Hollow tile and stucco, 3 stories, 65x33 feet, tile roof, steam heating, electric lighting, hardwood and tile floors, wire lath. Architect taking bids due Sept. 18th.

Swimming Pool, Dallas, Pa. Architects, Newberry & Foster, Miners Bank Building, Wilkes-Barre, Pa. Owner, W. J. Newberry, Dallas, Pa. Concrete and frame, 1 story, 22x55 feet, shingle roof, electric lighting, reinforced concrete and tile floors, damp-proofing. Plans in progress.

Store, Brookline, Wilkes-Barre, Pa. \$5,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre. Owner, I. Sperling, Wilkes-Barre, Pa. Brick, 1 story, 60x60 feet, slag roof, electric lighting. Plans in progress.

Hose House, Carbondale, Pa. \$3,500. Architect, Raymond Tiffany, Carbondale, Pa. Owner, Carbondale Fire Co., Carbondale, Pa. Brick and frame, 2 stories, 34x48 feet, slag roof, steam heating, electric lighting. Plans in progress.

Silk Mill (add.), Dunmore, Pa. \$3,000.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store (alt. and add.), Sixtieth and Arch streets, Philadelphia. Architect, private plans. Owner, C. F. Tinnerman, 51 N. Sixtieth street, Philadelphia. Brick, 3 stories, tile work, metal lath, electric lighting (heating, plumbing and roofing reserved). Contract awarded to P. McCurdy, 50 North Thirteenth street, Philadelphia.

Garage, Atlantic street, west of Nineteenth street, Philadelphia, \$14,000. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, Emanuel Weil, 211 North Third street, Philadelphia. Brick, 1 story, 108x140 feet, slag roof, electric lighting. Contract awarded to Bailey-Lush Co., 201 N. Broad st.

Factory (alts.), north side of Collawhill, west of Thirteenth street. Architects, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners and Lessees, National Metal Edge Box Co., Eighth and Willow streets. Consists of general interior alterations, new freight elevator, plumbing, etc. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

Residence, St. Martins, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Edw. Clark, 3d, care architects. Stone, 2 stories, slate roof, electric lighting. Contract awarded to Wolvertson & Collins, 7930 Germantown avenue.

Fire House (alt. and add.), 4210 Ridge avenue, Philadelphia, \$23,400. Architect, Louis A. Marie, City Hall, Philadelphia. Owners,

City of Philadelphia, Department of Public Safety, City Hall. Consists of interior alterations, new hose tower, 4 stories, 12x14 feet, stone and brick, slag roof, tile and marble work, metal lockers, metal lath, hardwood and mineral floors, new partitions. Contract awarded to E. F. Fonder, Land Title Building, Philadelphia.

School (alt. and add.), Sixth and Tioga sts., Philadelphia. Architects, E. F. Durang & Sons, 1220 Locust street, Philadelphia. Owners, St. Veronica's R. C. Church, care Rev. J. J. Donnelly, on premises. Stone and brick, consists of general interior and exterior alterations and addition. Contract awarded to Conneen Const. Co., 1829 Filbert street.

Automobile Factory, Front and Erie avenue, Philadelphia. Architect, private plans. Owners, S. S. E. Company, V. L. Emerson, manager, 2320 Chestnut street. Brick, concrete and steel, 1 story, 270x90 feet, slag roof, steam heating, electric lighting, metal lath, concrete and wood floors, kalamein doors. Contract awarded to the Austin Co., Transportation Building, Philadelphia.

Theatre, Germantown avenue, near Gravers lane, \$10,000. Architect, private plans. Owners, Belvidere Theatre, on premises. Brick, 1 story, 34x71 feet, slag roof, steam heating, electric lighting, metal lath, tile work, roof ventilators. Contract awarded to Wm. J. Gruhler & Co., 219 E. High street.

PENNSYLVANIA

Construction News

Store and Residence, Chester, Pa. Architect, H. H. Jackson, Chester, Pa. Owner, Mrs. Bessie E. Miller, Chester, Pa. Brick, 3 stories, 18x64 feet, slag roof, vapor heating, electric lighting. Owner has received bids.

Church and School, Drexel Hill, Pa. Architect, George I. Lovatt, 418 Walnut street, Philadelphia. Owners, St. Andrew's R. C. Church, Drexel Hill, Pa. Stone, 1 and 3 stories, slate roof, steam heating, electric lighting. Plans in progress.

Office Building, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Bethlehem Foundry and Machine Co., South Bethlehem, Pa. Brick, steel and terra cotta, 44x52 feet, slag roof, steam heating, electric lighting, tile work, iron stairs, metal lath, elevator, damp-proofing. Architect taking bids. Howard Stout and George Merdinger, Bethlehem, Pa., are figuring.

Church, South Bethlehem, Pa., \$60,000. Architect, A. W. Leh, South Bethlehem, Pa.

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Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, James O'Donnell Estate, Dunmore, Pa. Brick, 1 story, 40x40 feet, slag roof, steam heating, electric lighting (sprinkling system, reserved). Architect about ready for bids.

Garage, South Main street, Scranton, Pa. \$8,000. Architect, J. J. Howley, Traders National Bank Building, Scranton, Pa. Owner, Louis Caputo, 1039 South Main avenue, Scranton, Pa. Brick and stucco, 2 stories, 38x90 feet, slag roof, steam heating, electric lighting, concrete floors. Owner is sub-letting all contracts.

Church (alt. and add.), Scranton, Pa. \$10,000. Architect, R. W. Snyder, Title Guarantee Trust Building, Scranton, Pa. Owner, Second Presbyterian Church, Scranton, Pa. Terra cotta and plaster, 1 story, 30x50 feet, slate roof, electric lighting, waterproofing. Plans in progress.

Club House, Ardmore, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Woman's Club of Rrdmore, Pa. Hollow tile, plaster finish, 1 story, 43x100 feet, slate roof, terra cotta and cut stone, cement and concrete work, tile work. Architect taking bids due Sept. 19th. Jacob Myers & Sons Co., Witherspoon Building, Philadelphia, are figuring.

Residence, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Bldg., Philadelphia. Owner, Mrs. Cornelia Bowen Kinzer, Lansdowne, Pa. Stone, 2½ stories, 28x56 feet, slate roof, electric lighting, hardwood floors, tile work (warm air heating, reserved). Architects taking bids due September 14th. The following are figuring: E. J. Kreitzburg, 1345 Arch street; F. B. Davis, 240 North Sixteenth street; J. W. Meckert, Glenolden, Pa.; Chas. J. Moore, Lansdowne, Pa.; Lansdowne Construction Co., Lansdowne, Pa.; J. Howard Roberts, Lansdowne, Pa.

Rectory (alts. and add.), St. Claire, Pa. Architects, Bissell & Sinkler, Bailey Building, Philadelphia. Owner, P. E. Church of the Holy Apostles, St. Claire, Pa. Frame, 2 stories, tin roof, electric lighting.

Architects have received bids. C. Messersmith and Dietrich & Son, Pottsville, Pa., are figuring.

School, Whitpain Township, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owner, School Board of Whitpain Township. Stone, terra cotta, brick and hollow tile, 2 stories, concrete floors (plumbing, heating, electric work and water system, separate bids). Owner taking bids due September 19th. The following are figuring: Wills, Ludwick & Co., 34 South Seventeenth street; Alex. Chambley, 243 South Tenth street; Specht & Sperry, Heed Building; F. T. Mercer Co., 1706 Delancey street, Philadelphia; Frank R. Heavner, Norristown, Pa.; Howard S. Amey, Ambler, Pa.; W. Ross Biesel, Hatfield, Pa.; Wm. D. Lukens, North Wales, Pa.; Walter Shaeff, Blue Bell, Pa.

Residence, Lansdowne, Pa. Architect, Edwin G. Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, F. S. Underhill, Lansdowne, Pa. Frame and plaster, 2½ stories, 24x40 feet, shingle roof, hot water heating, electric lighting. Revised plans in progress. Architect will take bids in about two weeks.

Store and Office Building, Hanover, Pa. \$200,000. Architect, Chas. M. Anderson, 324 North Charles street, Baltimore, Md. Owner, Sheppard & Myers, Hanover, Pa. Brick, steel, hollow tile and terra cotta, 4 stories, 115x110 feet, slag and tin roof, steam heating, electric lighting, waterproofing tile work, ventilators, fire doors, metal lath, elevators, ornamental iron work. Architect taking bids due as soon as possible. O. H. Hostetter, Hanover, Pa., is figuring, and has posted plans at Room 324, Perry Building, Philadelphia, for sub-bids.

Garage, Woodland Road, Rydal, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Charles McInnes, on premises. Frame, 1½ stories, 38x32 feet, shingle roof, cement and pine floors, metal lath (heating, plumbing and electric light, reserved). Architects taking

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bids dues as soon as possible. Jas. B. Flounders, 1329 Arch street, is figuring.

Store (alts. and add.), State and East Market streets, Wilkes-Barre, Pa. Architect, private plans. Owner, John Hughes, on premises. Brick, terra cotta and glass, 3 stories, 23x122 feet, slag roof, steam heating, electric lighting, elevator. Owner will take bids.

Store and Office Building, Hazleton, Pa. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, Lehigh Coal & Navigation Co., Hazleton, Pa. Brick, hollow tile and stucco, 2 stories, 45x150 feet, composition roof, steam heating, electric lighting. Owner taking bids. A. M. Hilderbrandt, Wilkes-Barre Pa., and James Monks, Kingston, Pa., are figuring.

School, Lehman Township, Luzerne Co., Pa. \$20,000. Architect, Edw. N. Finch, Wilkes-Barre, Pa. Owner, School District, Lehman Township, Fred Ide, President, Dallas, R. F. D., Pa. Frame or brick, 1 story, 40x80 feet, slate roof, steam heating, electric lighting, waterproofing. Plans in progress.

Store and Apartments, So. Washington street, Wilkes-Barre. \$50,000. Architect, Geo. F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Brick and steel, combination lighting, hardwood and tile floors, waterproofing and dampproofing, reinforced concrete fireproof porches, metal ceilings, dumb-waiters. Architect will take revised bids.

Store and Apartment (alt.), Forrest City, Pa. \$4,000. Architects, Davy & Crowther, Scranton, Pa. Owner, Louis Klein, Forrest City, Pa. Consists of store fronts and interior alterations, steam heating. Plans in progress.

Church, Sayre, Pa. \$50,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, Church of the Epiphany, Rev. James L. Shanley. Stone and brick, 1½ stories, 60x125 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will be ready for bids in about one week.

Parochial School, Avoca, Pa. \$25,000. Architect, J. J. Howley, Traders Building, Scranton, Pa. Owner, Rev. M. F. Crane, Avoca, Pa. Brick, stone trimmings, 2 stories, 50x100 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will be ready for bids in about one week.

School (add.), Carbondale Township, Pa. \$6,000. Architect, J. J. Howley, Traders

Bank Building, Scranton, Pa. Owner, School District of Carbondale Township, care of John Flannigan. Frame, 2 stories, 26x40 feet, shingle roof, electric lighting. Plans about completed. Will be ready for bids in about one week.

School, Simpson, Pa. \$40,000. Architect, Guy W. Osterhout, Scranton, Pa. Owner, Board of Education, Simpson, Pa. Brick and steel, 2 stories, 60x100 feet, slate roof, steam heating, electric lighting. Owner taking bids due September 19th.

School, Exeter Borough, Luzerne Co., Pa. \$35,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, School District, Exeter Borough, Luzerne Co., Pa. Brick, 2 stories, 90x70 feet, asbestos roofing, steam heating, electric lighting, blackboards. Plans in progress. Owners will be ready for bids in about two weeks.

Garage, Wilkes-Barre Pa. Architects, Knapp & Bosworth, 15 South Franklin street, Wilkes-Barre. Owner, Henry Shapiro, Wilkes-Barre, Pa. Brick, 1 story, 24x20 feet, slag roof, hot water heating, electric lighting, cement floors waterproofing. Architects taking revised bids. Frederick W. Eddy, 266 Horton street, Wilkes-Barre, Pa., is figuring.

Residence and Garage, Merion, Pa. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, Paul A. Monaghan, Drexel Building, Philadelphia. Stone and plaster, 2½ stories, 41x64 feet, slate roof, electric lighting, oak floors (heating, reserved). Owner is taking bids due Sept. 19th. Wm. R. Doughtrey, 1610 Sansom street; E. J. Hedden, Finance Building; Monaghan & Losse, 3016 Chestnut street; W. D. Smedley, Narberth, Pa., and Milton W. Young, Overbrook, Pa., are figuring.

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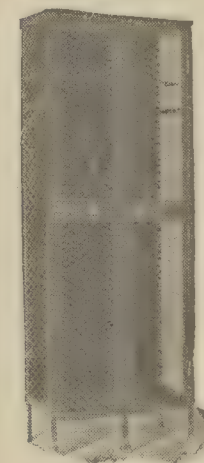
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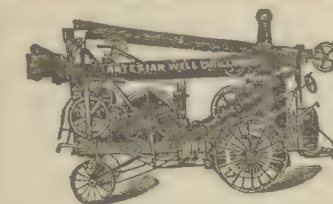
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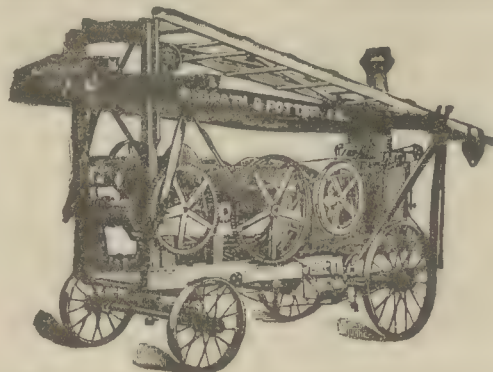
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Pennsylvania Contracts Awarded

Residence, South Bethlehem, Pa. \$75,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, Barry H. Jones, South Bethlehem, Pa. Brick, hollow tile and stucco, 2½ stories, 60x78 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors, waterproofing, swimming pool. Contract awarded to George Merdinger, Bethlehem, Pa.

Club House (alt. and add.), Easton, Pa. Architect, J. J. Weitsenfeld, Easton, Pa. Owner, Jacksonian Association, Chas. Schwann, Chairman, Easton, Pa. Brick, 1 story, 30x82 feet, slag roof, vapor heating, electric lighting, composition floors, fire doors. Contract awarded to Asa P. Smith & Son, Easton, Pa.

Paper Mill (adds.), Chester, Pa. Engineer, Geo. F. Hardy, 309 Broadway, New York City. Owner, Chester Paper Co., Chester, Pa. Brick, concrete and steel, 1 story, beater building, 257x45 feet; machine room, 179x46 feet; and wharf, Carey's roof, waterproofing, wire cloth, steel sash (heating and electric work, reserved). Contract awarded to Robert Cummings, 221 Fourth avenue, Pittsburgh, Pa.

Telephone Exchange, Kingston, Pa. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owner, Bell Telephone Co., 1320 Arch street, Philadelphia. Brick and limestone, 2 stories, 59x30 feet, slate roof, hot water heating, electric lighting, cement floors, metal louver, ventilators. Contract awarded to Wilson J. Smith, 292 South Ninth street, Wilkes-Barre, Pa.

Rectory, Darby, Pa. \$7,500. Architect, Geo. Natress & Son, Twelfth and Walnut streets, Philadelphia. Owner, An. Saints P. E. Church, Darby, Pa. Stone, 2½ stories, 30x45 feet, slate roof, hot water heating, electric lighting, tile work. Contract awarded to John T. Worrell, Rosemont, Pa.

Residence, Secane, Pa. Architect, private plans. Owner, E. W. Caruthers, 4732 Kingsessing avenue, Philadelphia. Stone and frame, 2½ stories, 36x25 feet, wing 11x18 feet, shingle roof, electric lighting, tile work, hardwood floors (heating, reserved). Contract awarded to Sheen & Gill, 450 North Wilton street, Philadelphia.

Post Office and Union News Stand, St. Davids, Pa. \$2,500. Architect, private plans. Owner, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Brick

and stucco, 1 story, 35x22 feet, slate roof (heating and lighting and plumbing, reserved), concrete and wood floors, ventilators. Contract awarded to E. E. Hollenback, Fifteenth and Race streets, Philadelphia.

Church and Rectory, Lost Creek, Pa. \$32,000. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, St. Mary Magdalene R. C. Church, Lost Creek, Pa. Brick and frame, 1 story, 48x115 feet, slate roof, steam heating, electric lighting. Contract awarded to John J. O'nearn, Shenandoah, Pa.

Store and Apartments, Bethlehem, Pa. \$12,000. Architects, Jacoby, Weishample & Wiegner, Bethlehem, Pa. Owner, H. F. Hess, Bethlehem, Pa. Hollow tile, brick and stucco, 2½ stories, 40x73 feet, slate roof, hot water heating, electric lighting, tile work. Contract awarded to George Heller, Bethlehem, Pa.

Factory, Catasauqua, Pa. Architects, Jacoby & Weishample, Allentown, Pa. Owner, The Lehigh Thermometer Co., Catasauqua, Pa. Hollow tile and stucco, 2½ stories, 25x33 feet, slate roof, steam heating, electric lighting. Contract awarded to Landenslager and Younger, Fullerton, Pa.

Residence and Garage, Gwynedd, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, architect. Stone, hollow tile and plaster, 2½ stories, 25x40 feet, wing 16x20 feet, shingle roof, vapor heating, electric lighting, hardwood floors. Contract awarded to W. D. Lukens, North Wales, Pa.

School (add.), Plains, Pa. \$20,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Plains School District, E. J. Quinn, Plains, Pa. Frame, 2 stories, 50x66 feet, slag roof, steam heating, electric lighting, ventilators. Contract awarded to E. J. Donohoe, 16 Newport street, Ashley, Pa.

Residence, Dorranceton, Pa. \$6,000. Architects, Newberry & Foster, Wilkes-Barre, Pa. Owner, E. B. Wagner, Dorranceton, Pa. Hollow tile and stucco, 2½ stories, 28x40 feet, slate roof, steam heating, electric lighting. Contract awarded to Walborn & Barney, 175 Race street, Wilkes-Barre, Pa.

Residence, Whitemarsh, Pa. \$40,000. Architect, Louis Ruch, 130 South Fifteenth street, Philadelphia. Owner, Mrs. John J. Henry, Cherokee and Moreland streets. Stone, 2½ stories, 50x130 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to J. Sims Wilson Co., 1125

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Dam, Near Gulph Mills, Pa. Engineers,
Birkinbine Engineering Co., Parkway
Building, Philadelphia. Owners, Gulph

Mills Golf Club, Gulph Mills, Pa. Concrete,
12 feet high, 36 feet long. Contract
awarded to Monaghan & Losse, 5016 Chest-
nut street, Philadelphia.

NEW JERSEY Construction News

School, Laurel Springs, N. J. Architect,
John L. Coneys, Drexel Building, Philadelphia.
Owners, Board of Education, Laurel Springs,
N. J. Brick, stone trimmings, 2 stories, 87x
50 feet, slate roof (heating, plumbing and elec-
tric lighting separate bids). Owners taking
revised bids. Plans may be obtained from
architect on deposit of \$15.00.

Residence (alt. and add.), 408 Cooper street,
Camden, N. J. Architect, J. Fletcher Street,
Drexel Building, Philadelphia. Owner, J. L.
Mahaffey, 527 North Seventh street, Camden,
N. J. Brick, 3 stories, hot water heating,
electric lighting, tile work. Plans about com-
pleted. Architect will take bids in a few
days.

School, Milford, N. J. Architect, Clarence
B. Dilts, Flemington, N. J. Owners, Board
of Education of Holland Township, care
Frank K. Vanderbilt, Milford, N. J. Stone,
brick and hollow tile, 2 stories, 45x100 feet,
slag roof, mechanical hot air heating system,
electric lighting, reinforced concrete floors,
waterproofing, metal sash. Plans in progress.

Factory, Whitehead road, Trenton, N. J.
Architect, J. Osborne Hunt, 114 N. Mont-
gomery street, Trenton, N. J. Owners, Mer-
cer Auto Co., Trenton, N. J. Reinforced brick
and steel, 2 stories, 60x305 feet, slag roof,
steam heating, electric lighting, ventilators
(wood, reinforced concrete and wood block
floors, dampproofing, electric elevator, rolling
steel doors, sprinkler system, steel sash. Archi-
tect has received bids.

Residence (alts.), Beverly, N. J. Archi-
tect, J. Fletcher Street, Drexel Building,
Philadelphia. Owner, Geo. W. Holloway,
Beverly, N. J. Stone and frame, 2½ stories,
consists of interior alterations and small ad-
dition. Architect taking bids. J. E. Kolster,
Beverly, N. J., is figuring (only bidder).

Apartment House, Atlantic City, N. J.
Architect, B. Ireland, Guarantee Trust Build-
ing, Atlantic City, N. J. Owner, Dr. Philip
I. Marvel, Atlantic City, N. J. Brick, stone
trimmings, 4 stories, 90x43 feet, slag roof, hot

water heating, electric lighting, tile work,
hardwood floors, metal lath. Owner taking
bids. J. V. Mathis & Son, Guarantee Trust
Building Atlantic City, are figuring.

Residence, Atlantic City, N. J. Architects,
Stout & Riebenack, Guarantee Trust Building,
Atlantic City. Owner, name withheld. Brick,
frame and stucco, 2½ stories, 25x40 feet,
slate roof, hot water heating, electric light-
ing, tile work, hardwood floors. Plans in pro-
gress.

Residence, Vineland, N. J. Architect, John
L. Coneys, Drexel Building. Owner, Evan E.
Kimball, Vineland, N. J. Brick, hollow tile
and plaster, 2½ stories, 36x54 feet, tile roof,
hot water heating, electric lighting, oak floors.
Owner has received bids.

Power House, Blackwood, N. J. Engineers,
Camden Heater Co., 3 Market street, Camden,
N. J. Owners, Camden County Commissioners,
care Frank Pine, Court House, Camden, N. J.
Brick, steel and terra cotta, 1 story, 48x45
feet, slag roof, metal sash. Owners have re-
ceived bids.

Church, Trenton, N. J. Architect, John Ber-
gesen, 135 W. 126th street, New York City.
Owners, The Russian Orthodox Church, Tren-
ton, N. J. Hollow brick and steel, 2 stories,
34x59 feet, asbestos shingle and galvanized
iron roof, metal lath, dampproofing. Archi-
tect ready for bids.

Residences (7), Brunswick avenue, Trenton,
N. J. \$14,000. Architect, private plans. Own-
er, Henry D. Phillips, Trenton, N. J. Brick,
2½ stories, 14x28 feet, slate and tin roof, hot
air heating, gas lighting. Owner is taking
sub-bids.

Electrical Bureau Building, West Hanover
street, Trenton. Architect, Wm. P. Ende-
brook, American Mechanics Building, Tren-
ton, N. J. Owners, City of Trenton, City
Hall, Trenton, N. J. Brick and steel, 2 stor-
ies, 64x40 feet, slate roof, metal sash, metal
doors, steam heating, electric lighting, rein-
forced concrete floors, dampproofing. Owners
will readvertise for bids.

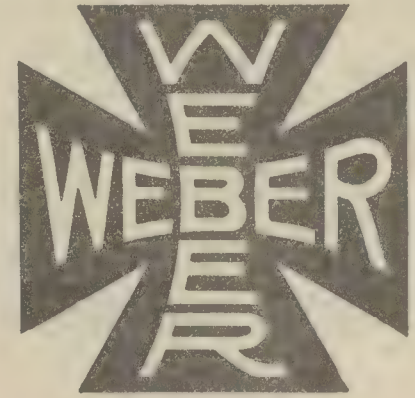
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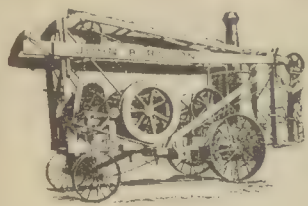
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Garage, West Hanover street, Trenton, N. J. Architect, Wm. P. Endebrook, American Mechanics Building, Trenton, N. J. Owners, City of Trenton, N. J., City Hall, Trenton, N. J. Brick and steel, 2 stories, 60x83 feet, slate roof, steam heating, electric lighting, reinforced concrete floors, metal sash, fire doors. Owners will advertise for new bids.

Garage, Trenton, N. J., \$4,500. Architect, J. Osborne Hunt, 114 North Montgomery st., Trenton, N. J. Owner, James Kemble, Tren-

ton, N. J. Brick, 1 story, 25x140 feet; slag roof, steam heating, electric lighting, concrete floors. Architect has received bids.

Residence (alt. and add.), High Bridge, N. J. Architect, J. J. Weitsenfeld, Easton, Pa. Owner, Dr. J. J. Rufe, High Bridge, N. J. Hollow tile, stucco and frame, 2½ stories, 30x50 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work, metal lath. Architect has received bids.

NEW JERSEY

Contracts Awarded

Manufacturing Building (alt. and add.), foot of Winslow street, Camden, N. J., \$5,000. Architects, Moffett & Stewart, Inc., 30 N. Third street, Camden, N. J. Owners, Southwark Mfg. Co., foot of Winslow street, Camden, N. J. Brick and concrete, 1 story, slag roof, concrete floors, fire doors, roof ventilators. Contract awarded to Barclay White & Co., Perry Building, Philadelphia.

Bridge Abutment, Mullica Hill on Williamstown Branch, Atlantic City Railroad. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, The Phila. & Reading Railway Co., Reading Terminal. Concrete. Contract awarded to Cantrell Construction Company, Twenty-first and Sedgley avenue, Philadelphia.

Garage, Montgomery street, Trenton, N. J., \$14,000. Architect, J. Osborne Hunt, 114 N. Montgomery street, Trenton, N. J. Owners, Steel & Skirm, Trenton, N. J. Brick and steel, 1 story, 150x85 feet, slag roof, steam heating, electric lighting, concrete floors. Contract awarded to S. W. Mather & Sons, Trenton, N. J.

Stable and Garage, Allen street, Trenton, N. J., \$4,000. Architect, private plans. Owner, Florence H. Bugbee, Trenton, N. J. Brick and steel, 1 and 2 stories, 76x98 feet, slag roof, electric lighting. Contract awarded to N. A. K. Bugbee, Trenton, N. J.

Office Building (add.), E. State street, Trenton, N. J., \$8,000. Architect, J. Osborne Hunt, 114 N. Montgomery street, Trenton, N. J. Owner, Elinore Building, care Steel &

Skirm, Trenton, N. J. Brick and steel, 2 stories, 45x165 feet, slag roof (electric lighting and steam heating reserved), waterproofing and dampproofing, metal ceiling. Contract awarded to S. W. Mather & Son, Trenton, N. J.

Church and Sunday School, Greenwood avenue, Trenton, N. J., \$25,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owners, Gethsemane Baptist Church, Rev. C. P. Newton, 214 Garfield avenue, Trenton, N. J. Brick, 1 story and balcony, 62x34 feet, slate roof, steam heating, electric lighting, maple floors. Contract awarded to Burton & Burton, Trenton, N. J.

Factory, Trenton, N. J., \$4,000. Architect, J. Osborne Hunt, 114 N. Montgomery street, Trenton, N. J. Brick, 1 story, 38x65 feet, slag roof, steam heating, electric lighting, maple floors. Contract awarded to Scott & Day, Trenton, N. J.

Residence (alt. and add.), Beverly, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, S. H. Levin, Beverly, N. J. Stone and frame, 2-room addition and exterior alterations. Contract awarded to J. E. Kolster, Beverly, N. J.

School (alts.), Woodbury, N. J., \$7,200. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, of Education, Woodbury, N. J. Brick, 2 stories, 45x50 feet, consists of reinforcing walls and new windows. Contract awarded to F. B. Davis, 240 N. Sixteenth street, Philadelphia.

Miscellaneous Construction News

Residence, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, Ralph Stidham, Wilmington, Del. Brick, stone and frame, 2½ stories. 24x30 feet, shingle roof, electric lighting. Plans in progress.

Store Front, 831 Market street, Wilmington,

Del., \$2,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Needle Co., Wilmington, Del. Tile work and hardwood, electric lighting, waterproofing. Plans in progress.

Apartments (alt. and add.), 603 Washington street, Wilmington, \$4,000. Architect, J. J.

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Kennedy, Ford Building, Wilmington, Del. Owner, Rev. James Grant, Wilmington, Del. Brick, 3 stories, 15x30 feet, tin roof, hot water heating, combination lighting, tile floors. Plans in progress.

Auto Service Building, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, name withheld. Reinforced concrete, brick, terra cotta and hollow tile, 1 story, 30x50 feet, slag roof, hot water heating, electric lighting, cement floors, gas storage tank, waterproofing, dampproofing. Plans about completed.

Garage and Apartments, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick and stucco, 2 stories, 25x46 feet, shingle roof, hot water heating, electric lighting, waterproofing and dampproofing. Plans in progress. Will take bids in about two weeks.

Residence, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, C. M. McCauley, Wilmington, Del. Brick, 2½ stories, 24x45 feet, slate roof, hot water heating, electric lighting, tile floors. Plans in progress.

Gardener's Cottage, Singlerly, Md. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner, name withheld.

Frame, 2 stories, 30x20 feet, 2 wings, shingle roof, hot water heating, electric lighting. Plans in progress.

Passenger Station and Office Building, Flora, Ill. Architect, private plans. Owners, Balto. & Ohio Railroad Co., Baltimore, Md. Brick, terra cotta and steel, 3 stories, 37x37 feet, composition roof, vacuum return steam heating, electric lighting, marble and tile work, fire doors. Owners taking bids, due September 8th. Roydhouse-Arcy Co., Fidelity Building, Philadelphia, are figuring.

Laboratory Building, near Wilmington, Del. Architect, Robeson L. Perot, 34 South Seventeenth street, Philadelphia. Owner, Francis I. du Pont, Wilmington, Del. Terra cotta and stucco, 1 story, 132x22 feet, and 273x22 feet, Spanish tile roof (heating and lighting reserved). Contract awarded to A. S. Reed & Bros, Wilmington, Del.

Parish House, Wilmington, Del. Architect, E. James Dallett, Equitable Building, Wilmington. Owners, St. Andrew's P. E. Church, Rev. R. W. Trappell, 910 Madison street, Wilmington, Del. Brick and terra cotta, 3 stories, 60x50 feet, slag roof, steam heating, electric lighting. Architect taking bids, due September 14th. Ketcham & McQuade, are figuring.

Frederick Thomas, Gunther Building, Baltimore. Owners, Rosenbloom & Levy, 716 West German street, Baltimore. Brick, 5 stories, 40x150 feet, slag roof, electric lighting, elevator. Plans in progress.

Residence, Millbrook road, Guilford, Md. Architect, Edw. L. Palmer, Munsey Building, Baltimore. Owners, Misses Nickerson, Sunbury, Pa. Brick, 2½ stories, slate roof, hot water heating, electric lighting. Architect taking bids, due September 23rd. The following are figuring: Cowan Building Co., 106 West Madison street; Gladfelter & Chambers, Thirty-sixth and Roland avenue; E. G. Turner, 15 East Fayette street; W. G. Tovell, 401 McCulloh street, all of Baltimore, Md.

Market and Comfort Station (alts.), Baltimore, Md. Architect, Frederick Thomas, Gunther Building, Baltimore. Owners, City of Baltimore, Md., City Hall. New stalls, hollow tile walls, electric lighting, plumbing, heating, refrigerating plant, marble and tile work. Lowest bid submitted by J. L. Robinson Const. Co., 218 East Lexington street, Baltimore, Md., \$37,121.

Residence and Garage, Brooklyn, Md., \$15,000. Architect, private plans. Owner, John T. Flood, Curtis Bay, Md. Frame, 2½ stories, slate roof, hot water heating, electric lighting, tile work, plumbing. J. Henry Smith, 1426 Light street, Baltimore, will take sub-bids on all lines.

School and Convent Building, northeast corner Maryland avenue and Twenty-seventh street, Baltimore, \$40,000. Architect, Hugh I. Kavanaugh, 226 East Eager street, Baltimore. Owners, SS. Philip and James R. C. Church, care of Rev. John E. Wade, North Charles and Twenty-seventh streets, Baltimore. Brick, reinforced concrete, steel, 3 stories, 87x150 feet, slag roof, fire doors, cement and concrete floors, tile and marble work, refrigerating (heating, plumbing, electric work and vacuum cleaner reserved). Architect taking bids, due September 18th. The following are figuring: Price Concrete Const Co., Maryland Trust Building; J. J. Walsh & Sons, 1533 Maryland avenue; Arthur F. West, 15 East Fayette street; E. D. Keating, 2213 West Baltimore street; Joseph Schamberger, 2122 East Baltimore street; Menmonier & Sorrell, 1711 McCulloh street; A. Knell, Jr., 215 St. Paul street; John J. Moylan, 117 East Center street, and J. D. Bramble, 2 East Lexington street, all of Baltimore, Md.

Residence, Park Drive and Remington avenue, Baltimore, \$20,000. Architect, Fred E. Beall, 306 St. Paul street, Baltimore. Owner,

MARYLAND

Construction News

Apartment House, Hill Top, Md. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owners, Webb & White, Title Building, Baltimore. Stone, hollow tile and stucco, 3 stories, roof not decided, vapor steam heating, combination lighting, dumb waiters, mil work, tile work, plumbing. Plans in progress.

Bungalow, Roland Park, Md. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owner, J. O. Kaderly, Munsey Building, Philadelphia. Stone and frame, 1½ stories, slate or asbestos roof, hot water heating, electric lighting, tile bath and composition floors. Plans in progress.

Residences (24), Holmes avenue, Baltimore, Md., \$48,000. Architect, private plans. Owner, George R. Morris, Title Building, Baltimore. Brick, 2 stories, 14x48 feet, slag roof. Plans in progress.

Residences (3), Springdale and Grantley avenues, Baltimore, Md. Architect, John R.

Forsythe, 232 St. Paul street, Baltimore. Owner, J. T. Mathis, 3414 Park Heights avenue, Baltimore, Md. Brick, 2 stories, hot water heating. Plans in progress.

Hotel, Baltimore and Howard streets, Baltimore, Md. Architects, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owners, Baltimore Hotel Co., care of J. Epstein, president, Howard Hotel, Baltimore. Brick, steel, concrete, limestone and terra cotta, 14 stories, 75x170 feet, steam heating, electric lighting, electric elevators, marble, tile and terrazzo work, roof garden. Plans in progress.

School, Wolfe street, Baltimore, Md., \$200,000. Architects, Archer & Allen, 32 Central Savings Bank Building, Baltimore. Owners, Johns Hopkins Hospital (School of Public Health), Baltimore. Brick, concrete and steel. Plans in progress. Too early for details.

Warehouse, 12-14 North Paca street, Baltimore, Md. Architects, Walter M. Gieske &

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Charles E. Litzinger, 3678 Falls road, Baltimore. Brick, 2 stories, tin or slag roofs, electric lighting, hot water heating. Owner taking sub-bids on all lines.

Shop, Sparrows Point, Md. Architect, pri-

vate plans. Owners, Maryland Steel Co., Sparrows Point, Md. Concrete and steel, 1 story, 180x425 feet, slag roof, steel sash. Contract awarded to Deverall, Spencer & Co., Garrett Building, Baltimore, Md.

Alterations and Additions

P. H. Brady (O), 4749 North Broad street. M. S. Yellin (C), 712 North Franklin street. Cost, \$1,825. Dwelling, new flush bulks, 4749 North Broad street.

Dr. Keen (O), 1204 Chestnut street. Lam Building Co. (C), 1001 Wood street. Cost, \$525. Store, new front, 411 Market street.

Alf. Pecosido (O), 3028 Lambert street. C. Salraho (C), 2910 Van Pelt street. Cost, \$400. Store and dwelling, one-story rear addition, 14x8 feet, slag roof, brick, southwest corner of Toronto and Lambert streets.

Sol Hopkins (O and C), 1330 Arch street. Cost, \$1,800. Store, three-story rear addition, 18x57 feet, fireproofing, 235 North Thirteenth street.

Thomas Page, 2308 East Clearfield street. J. F. Crowe (C), 3127 Belgrade street. Cost, \$600. Dwelling, two-story rear addition, brick, 12x15 feet, slag roof, 2308 East Clearfield street.

James Holt (O), 622 West Erie avenue. Jos. Reinhardt (C), 3715 North Fifth street. Cost, \$525. Dwelling, flush bulks, 622 West Erie avenue.

A. Rappapold (O), 133 Vine street. M. Gussman (C), 991 North Marshall street. Cost, \$1,200. Dwelling, 1 story, brick, 10x6 feet, northwest corner of Fourth and Buttonwood streets.

Jacob Fieldman (O), 725-27 South Fourth street. Samuel Miller (C), 326 South street. Cost, \$1,075. Store and dwelling, 725-27 South Fourth street, new flush bulks.

W. H. Lead (O), 967 to 979 North Front street. Matthew Morrison & Son (C), 2322 North Howard street. Cost, \$5,000. Lumber shed, frame, 1 story, 80x164 feet, Norris and Girard avenue.

C. E. Harrison (O), 6600 North Eleventh street. C. E. Lloyd, Jr. (C), 800 North Sixty-first street. Cost, \$300. Residence, repairs, 6604 North Eleventh street.

D. Gimelson (O), 2233 North Thirtieth street. D. Gold (C), 2233 North Thirtieth street. Cost, \$1,600. Garage, brick, 1 story, 26x45 feet, slag roof, 2524-26 Dauphin street.

Harry Levin (O and C), 436 Spruce street. Cost, \$600. Store, two-story rear addition, brick, 20x18 feet, 115 Pine street.

Reed Wolf (O), 1902 South street. Israel Walkesi (C), 863 North Fourth street. Cost, \$600. Store and dwelling, Fifteenth and Bain bridge streets, new flush bulks.

Reed Wolf (O), 1902 South street. B. Israe Walkesi (C), 863 North Fourth street. Cost, \$410. Store, flush bulk and repairs, 1441 Bainbridge street.

Vincent Williams (O), 1613 South Seventeenth street. T. Bartholomew (C), 1241 Christian street. Cost, \$400. Dwelling, two-story rear addition, brick, 14x12 feet, slag roof, 1613 South Seventeenth street.

W. H. Richards, (O), East Haines street. L. D. Stites (C), 126 Hesman street. Cost,

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Mrs. W. R. Knight (O), 3652 Frankford avenue. F. Deitrich (C), 1828 Schell street. Cost, \$2,000. Dwelling, brick, 2 stories, hot water heating, slag roof, 15x40 feet, 3657 Emerald street.

William Librich (O and C), 2840 Ridge avenue. Cost, \$40,700. Eighteen dwellings, brick, 2 stories, 16x41 feet, slag roof hot water heat, south side of Stenton avenue.

John Morrell Co. (O), Philadelphia, Pa. John N. Gill Co. (C), 1213-15 Filbert street. Cost, \$45,000. Packing house, brick, 3 stories, 126x126 feet, slag roof, Darien and Noble streets.

George Kolhsenner (O), Eighty-seventh and Marimen avenue. George S. Roe (C), 6949 Saybrook avenue. Cost, \$2,450. Dwelling, brick, 2 stories, 17x40 feet, slag roof, hot air heating, south side of Mosemer avenue.

City of Philadelphia (O), City Hall. Frank Stewart (C), 1619-21 Sansom street. Cost, \$3,600. Recreation Park, brick, 2 stories, 47x117 feet, slate roof, steam heat, Fifty-first and Kingsessing avenue.

Levi Carnell (O), 532 Carpenter street. John Roman (C), 4521 Pulaski avenue. Cost, \$2,500. Garage, stone, 1 story, 42x84 feet, concrete roof, 519 West Shedwick street.

Edward G. Budd (O), Hunting Park and Wissahickon avenue. F. W. Mark Construction Co. (C), 1701 Finance Building. Cost, \$225,000. Building, brick, 5 stories, 198x198 feet, slag roof, steam heat, north side of Hunting Park avenue, west of Wissahickon avenue.

Edw. G. Budd (O), Hunting Park avenue west of King street. F. W. Mark (C), 1701 Finance Building. Cost, \$70,000. Building, brick, 1 story, slag roof, 75x75 feet, north side of Hunting Park avenue, west of King street.

Edw. G. Budd (O), Hunting Park avenue, west of King street. F. W. Mark (C), 1701 Finance Building. Cost, \$80,000. Building, brick, 1 story, 312x316 feet, slag roof, north side of Hunting Park avenue, west of King street.

West Philadelphia Stock Yards (O), Thirtieth and Market streets. Irvine & Leighton (C), 126 North Twelfth street. Cost, \$100,000. Stock House, brick, 3 stories, 76x76 feet, slate roof, Thirtieth and Market streets.

Robinson & Crawford, Nineteenth and Ham-

ilton streets. Alfred B. Kister (C), 621 Sansom street. Cost, \$20,000. Warehouse, brick, 3 stories, 54x64 feet, slag roof, no heat, Ninth and Hamilton streets.

William Clark (O and C), 401 Thompson street. Cost, \$10,000. Garage, brick, 2 stories, 56x56 feet, truss roof, steam heat, 1707-9-11 North Twelfth street.

Temus Testing Machine Co. (O), 500 North Twelfth street. Lam Building Co. (C), 1001 Wood street. Cost, \$10,500. Storage building, brick, 4 stories, 49x49 feet, slag roof, 1210-12-14 Nectarine street.

Andrew Galliger (O), Fifty-second and Warren streets. Calvin Rogers (C), 239 South Forty-ninth street. Cost, \$6,000. Three dwellings, brick, 2 stories, 14x27 feet, slag roof, hot water heat, west side of Peach street.

A. S. Tourison (O and C), 7014 Boyer street. Cost, \$25,500. Three dwellings, brick, 3 stories, 28x39 feet, slate roof, hot water heating, west side of Crew street.

Mrs. Helen Swain (O), Bristol, Pa. James B. Flounders (C), 1329 Arch street. Cost, \$12,200. Dwelling, stone, 4 stories, 36x36 feet, shingle roof, hot air heat, north side of Hampton avenue, west of Perkiomen turnpike.

John J. Hurley Co. (O and C), 4416 Cressen street. Cost, \$7,500. Three dwellings, brick, 2 stories, 15x46 feet, shingle roof, hot water heat, south side of Monastery street, east of Hayton avenue.

Mrs. A. Whitaker (O), Chestnut lane. Frank C. Smith (C), Wildwood, N. J. Cost, \$5,500. Dwelling, frame and shingle, 2 stories, 47x36 feet, southeast corner Bustleton avenue.

Charles Deischer (O), Oakland and Dark Run lane. James W. Dix (C), 3532 Kensington avenue. Dwelling, brick, 2 stories, 16x41 feet, gravel roof, west of Oakland, south side of Dark Run lane.

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#800. Stable, brick, 2 stories, 16x42 feet, slag roof, Ely street and P. & R. R. R.

Charles Burke (O), 1328 Green street. George Wilcox (C), 830 Watkins street. Cost, \$1,800. Garage, install heating plant and repairs, 303 South Chadwick street.

Pennsylvania Railroad Co. (O), Broad Street Station. Thomas Horsten (C), Commercial Trust Building. Cost, \$1,000. Labor camp, interior alterations, 1809-11 Filbert street.

James Goodwin (O), 4713 Cedar avenue. John P. Fallon (C), 449 South Sixtieth street. Cost, \$1,000. Garage, brick, 1 story, 16x24 feet, slag roof, southwest corner Sixty-first street and Walton avenue.

Mrs. Milt (O), 804 North Twenty-fourth street. A. H. Walker (C), 3529 North Seventeenth street. Cost, \$635. Dwelling, hot water heating, 804 North Twenty-fourth street.

Girard Trust Co. (O), Philadelphia. Chas. Hoffman (C), 210 Dickinson street. Cost, \$500. Dwelling, fire escapes and repairs, 1716 Pine street.

S. G. Matthews (O), 812 Franklin Building. Chas. Hoffman (C), 210 Dickinson street. Cost, \$675. Dwelling, fireproofing and fire escapes, 634 Spruce street.

W. Stokes Kirk, Jr. (O), 1726 North Tenth street. Melvin Cramon (C), 1205 West Columbia avenue. Cost, \$700. Dwelling, hot water heating system, 1801 North Park avenue.

John Williams (O), southwest corner of Westmoreland and Imond street. Fred, Pezzillo (C), 3347 Imond street. Cost, \$325. Store and dwelling one-story rear addition, brick, 15x11 feet, slag roof, southwest corner Westmoreland and Almond street.

John H. Earle (O), 1735 Orthodox street. C. C. Carn (C), 7654 Digre street. Cost, \$1,600. Dwelling, two-story rear addition, brick, 16x12 feet, slag roof, 1733 Orthodox street.

H. Armowitch (O), 926 South Seventeenth street. Jacob Bender (C), 1807 South Fourth street. Dwelling and store, flush bulks and repairs, 926 South Seventeenth street.

A. H. Clausen (O), 1300 North Hancock street. John Barden & Bro. (C), 637 North Nineteenth street. Cost, \$330. Dwelling, hot water heating system, 1300 North Hancock street.

C. De Stefano (O), 7208 Edmund street, Tacony. J. J. Hefferman (C), 8513 Frankford avenue. Cost, \$1,200. Dwelling, two-story addition, 20x16 feet, slag roof, 7208 Edmund street, Tacony.

Finer (O), 3949 Ogden street. F. Jr. (C), 5426 Vine street. Cost, \$350. Dwelling, one-story brick addition, 16x14 feet, slag roof, 3949 Ogden street.

Thomas Weinman & Son (O), 1738-40 North Howard street. W. Hyzer (C), 1230 Marlborough street. Cost, \$1,600. Drying room, alterations and repairs, 1738-40 North Howard street.

Joseph Jansan (O), Cresson and Senesing streets. Keller Bros. (C), 481 Harmon road. Cost, \$2,000. Store and dwelling, two-story addition, brick, 12x15 feet, tin roof, Cresson and Silverman streets.

B. Alexander (O), Hale Building. D. Henward (C), 1509 Wood street. Cost, \$2,165. Store, alterations and repairs, 330 North Fifteenth street.

W. Meehan (O), 422 Darset street. Kohl Megargee (C), 124 East Gorgas street. Cost, \$4,500. Dwelling, 1 story, brick, 24x49 feet, slate roof, 424 Darset street.

A. E. Guest (O), 4423 Ludlow street. W. H. Guines (C), 442 Market street. Cost, \$300. Factory, two-story rear addition, 21x28 feet, slag roof, 4423 Ludlow street.

Mrs. Heller (O), 6133 Columbia avenue. William Reil (C), 213 Melrose street, Lansdowne. Cost, \$1,400. Garage, 1 story, stone,

19x32 feet, slag roof, 6133 Columbia avenue.

Clement Bower (O), 815 South Second street. Charles Hill (C), 715 South American street. Cost, \$500. Store and dwelling, new flush bulks and repairs, 815 South Second street.

S. H. Robinson Co. (O and C), 814 Walnut street. Cost, \$1,500. Building, sign, north-east corner Broad and McFarren streets.

S. H. Robinson Co. (O and C), 814 Walnut street. Cost, \$1,500. Building, ground sign, 2439-41 Pennsylvania avenue.

Mrs. Harry Mendelson (O), 1812 South street. Daniel Carlin (C), 1721 Bainbridge street. Cost, \$595. Stable, repairs, 1812 South street, rear.

John Fitzpatrick (O), 4915 North Broad street. M. Moister Co. (C), 3931 North Fifth street. Cost, \$350. Garage, steel, 1 story, 16x18 feet, 4914 York road.

L. Sames (O), Twentieth and Snyder avenue. A. M. Benson (C), 1534 Ritner street. Cost, \$650. Shed, tin roof and repairs, 1142 Cantrell street.

John W. Ferry (O), Forty-first and Haverford avenue. Warren Bescoe (C), 3954 Ludlow street. Store and dwelling, flush bulk, Forty-first and Haverford avenue.

Michael Sorrenhno (O and C), 921 Catherine street. Cost, \$300. Dwelling, three-story rear addition, 9x12 feet, slag roof, brick, 915 Catherine street.

William Gekaske (O and C), 439 Tasker street. Cost, \$1,500. Factory, repair fire damage, 129 Christian street.

Stelwag Manufacturing Co. (O), Nineteenth and Washington avenue. J. B. Jordan (C), 1335 South Fifty-eighth street. Slag bin, brick, 28x28 feet, slag roof, Second and York streets. Cost, \$400.

Mr. Straus (O), 6284-86 Woodland avenue. Morris Krowitz (C), 1025 East Montgomery avenue. Cost, \$2,300. Dwelling, two-story brick addition, 14x20 feet, slag roof, 6284-81 Woodland avenue.

Barg Bros. (O), Twenty-first and Nicholas streets. William Fisher (C), 2046 Nicholas street. Cost, \$300. Dwelling, interior repairs, Twenty-first and Nicholas streets.

E. Shingat (O), 4220 North Fifteenth street. W. Clifford (C), 4420 North Sixteenth street. Cost, \$300. Dwelling, repairs, 4220 North Fifteenth street.

Summerdale Dyeing Co. (O), Pennypacker Creek and Cottage street. H. R. Reinecke (C), Drexel Building. Cost, \$2,065. Chimney, Pennypacker Creek and Cottage street.

George E. Fossel (O and C), 128 East Chelton avenue. Cost, \$700. Shop, 2 stories, brick, 15x25 feet, slag roof, 5606 Utah street.

Charles Manze (O), 5713 Germantown avenue. George E. Fossel (C), 128 East Chelton avenue. Cost, \$400. Dwelling, 334 East Price street.

W. E. Cook (O), 1605 Diamond street. W. L. Roberts (C), 228 North Sixteenth street. Cost, \$675. Dwelling, hot water heating system, 1633 Diamond street.

Charles Bond Co. (O), 520 Arch street. William Esterbrook (C), 146 North Fourth street. Cost, \$1,160. Factory, repairs and alterations, 608-10-12 Cherry street.

Charles Seely (O), 5564 Germantown venue. William Hill (C), 5564 Germantown avenue. Cost, \$2,500. Garage, 1 story, brick, 100x18 feet, slag roof, East Penn street.

Anna L. Besnara (O), Fifty-fourth and Susquehanna avenue. J. Paul Emery (C), 4714 Wynnefield avenue. Cost, \$285. Garage, 1 story, stone, 20x22 feet, slate roof, Fifty-fourth and Susquehanna avenue.

Norman Sherwood (O), 225 South Broad street. Federal S. Elec. (C), 1518 Sansom street. Cost, \$1,500. Hotel, repairs structural work, 225 South Broad street.

J. McKeaner, (O), 3925 Fairmount avenue.

Anthony Gallagher (C), 3706 Haverford avenue. Cost, \$360. Dwelling, one-story rear addition, brick, 12x12 feet, slag roof, 3926 Fairmount avenue.

Dr. Albert Santer (O), 1421 Locust street. John E. Walt (C), 204 East Willow Grove avenue. Cost, \$3,000. Dwelling, one-story brick addition, 40x18 feet, tin roof, 5909 Green street.

Alice Mitchel (O), 405 South Sixtieth street. Samuel Mitchell (C), 405 South Sixtieth street. Cost, \$6,000. Dwelling, one-story, brick, 16x8 feet, slag roof, 407-9-11-13 South Sixtieth street.

Maria Mayzer (O), 5021 Germantown avenue. George Earnest (C), 2952 North Twenty-second street. Cost, \$960. Dwelling, two-story rear addition, brick, 10x16 feet, 5021 Germantown avenue.

Hosea M. Eroyle (O), 443 Martin street. Joseph Broadhead (C), West Manayunk. Cost, \$1,200. Dwelling, 1 story, stone and brick, 25-10 feet, 443 Martin street.

Horace Craighead (O), 441 Martin street. Horace Craighead (O), Mitchell and Market streets. Joseph Broadhead (C), Mitchell and Market streets. Cost \$750. Dwelling, two-story addition, brick, 15x15 feet, hot water heating, 441 Martin street.

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 8, 1916.—Sealed proposals will be opened in this office at 3 P. M., October 20, 1916, for the construction complete of the United States post office at Bayonne, N. J. Plans and specifications may be obtained from the custodian of site at Bayonne, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 7, 1916.—Sealed proposals will be opened in this office at 3 P. M., October 19, 1916, for the construction of the United States post office at Du Bois, Pa. Drawings and specifications may be obtained from the custodian of the site at Du Bois, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

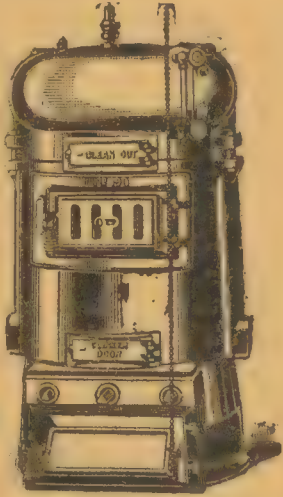
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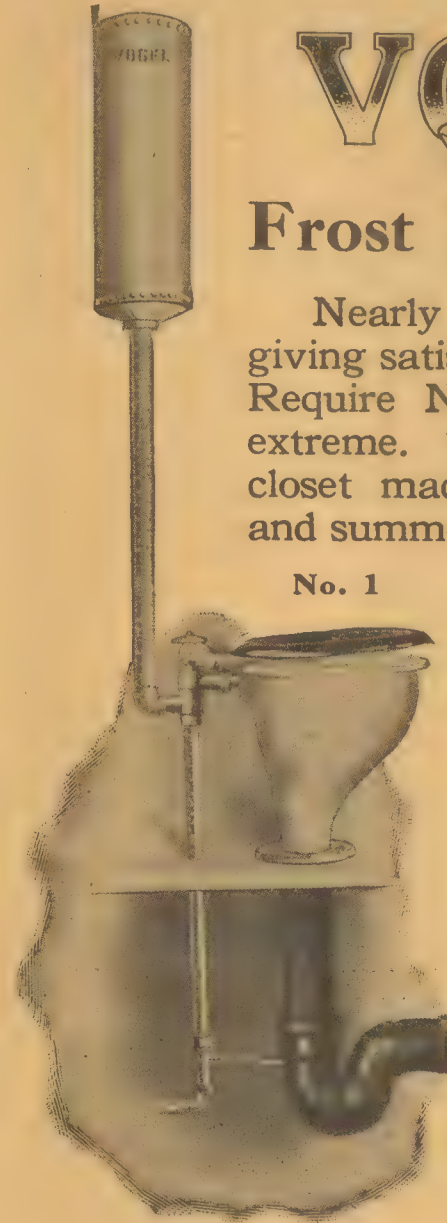
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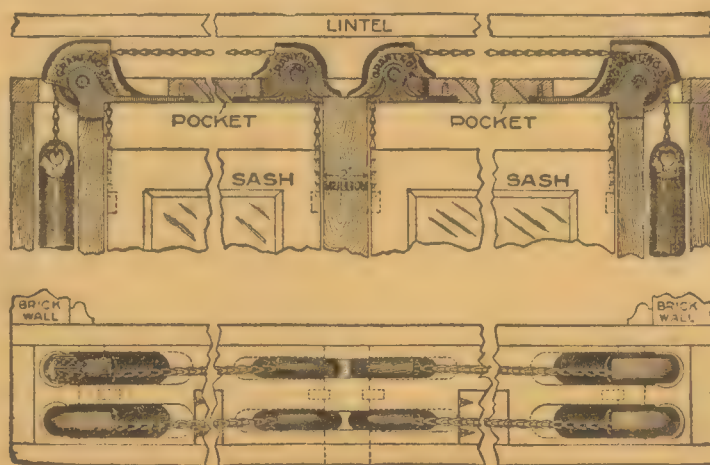
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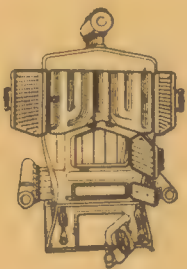
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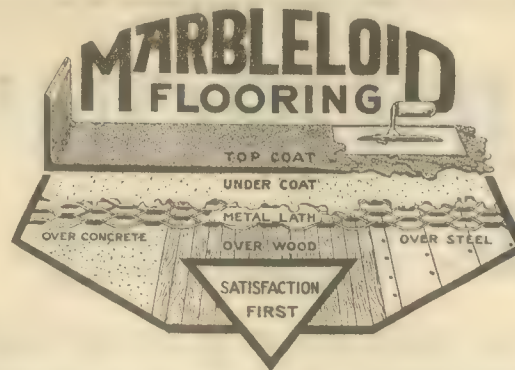


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VOLUME XXXI
Number 38

PHILADELPHIA
September 20, 1916



As The Editor Sees It



THERE is no gainsaying the fact that a picturesque charm is lent to a certain type of country house by the use of the wooden shingle—a charm unattainable in any other medium. Some of the most attractive country houses, architecturally, owe much of their quaint “home-iness” to the weathered charm of broad and skilfully-placed expanses of shingled surfaces. The shingle, too, takes a variety of delightful tints in stain, that, mellowing under the influence of the elements, beget an effect of rare and indescribable beauty. It is because of the uncanny charm of the shingle as a passport to the picturesque that we have viewed with something akin to unfeigned regret the rising chorus of objection to it as a material highly inflammable and dangerous. Mr. Edward Rschle Hardy, discussing “The Shingle Roof” in *Architecture and Building* remarks:

“Fire Prevention, like most other reforms, is apt to have the emphasis placed now on this feature and now on that. Up to about the first of August, this year, owing to the fires at Augusta, Ga., Paris, Tex., and Nashville, Tenn., emphasis has been placed on the shingle roof hazard. The explosion at Black Tom Island will for a while concentrate emphasis on that phase of the subject and we hear very much about explosion risk. But the shingle roof will remain as a more lasting topic, due to the fact that it is so general a roof cover. When we can trace a very large proportion of the loss in a given conflagration to a certain factor like this it is perhaps just as well to recognize it and to see what can be done to lessen the danger from that service. One bit of testimony from the Mayor of Paris, Texas, is in point:

“I saw numbers of homes take fire and all without exception took fire in the roof. There never was a moment when the fire companies could control the fire. Buildings with noncombustible roofs

stood much longer than others, and even in the path of the fire some buildings which were frame with noncombustible roofs did not burn. There were three such buildings, perhaps others. Some brick buildings with noncombustible roofs were not a total loss due to the fact that a minimum of woodwork was used and to the further fact that wire glass windows had been installed.”

* * *

NEEDLESS to say,” continues Mr. Hardy, “the shingle roof represents an important business proposition, the money invested in the lumber business devoted to the shingle being considerable. As a matter of fact when emphasis began to be placed upon the danger of the shingle roof, very rightly the people who had an interest—and let us state frankly a legitimate interest—in the shingle as a commercial product began to be heard from. Now it is a hopeful sign that what they have to say in behalf of the shingle roof is not to decry the danger or to make the claim, for instance, that it is grossly exaggerated, but they frankly recognize it themselves and ask for co-operation in lessening the risk. Indeed, they seem to have gone beyond this mere matter of a plea and have instituted tests for the purpose of discovering certain retardants which if applied to the shingle roof will make it of less hazard than it is at the present time. Their conclusion is a very sane one and would indicate that if anything helpful is to be done in the matter their attitude at least is right, even though one may not sympathize with the retention of the shingle roof, although protected by means of some compound. Having quoted adversely to the cause from the Paris, Texas, fire, the shingle roof people should be allowed to state their own conclusion in regard to what they are doing. They do so in this paragraph:

“The conclusions so far reached indicate that several compounds are now available which, if properly applied to wooden shingles, will give a shingle roof a very high degree of fire-resistance. These same compounds at the present time have every guarantee of permanence, so far as this can be determined from a chemical investigation. They are insoluble in water and give a roof a pleasing appearance. For interior work, or for such places where direct weathering is of secondary importance, a very considerable number of compounds can be recommended, ranging from good mineral paints to more expensive materials. The strongest emphasis should be placed on the statement already made, that these results must be regarded as purely preliminary and that it will be absolutely essential to carry out some of the plans suggested before definite recommendations can be made as to the widely extended practical application of one or more of the substances investigated.”

* * *

IN the pages of the *New York Sun*, now under the control of Frank A. Munsey, there appeared recently a smartly-phrased article under the title “The Flavor of Cities.”

“The analyst of the charms of cities will first take into consideration their relation to the sea,” says the writer.

“It is true there are cities of peculiar attractiveness that are not seaports—Vienna and Paris, for example. But such cities are few and have important compensatory features, the gay life of national capitals or histories that confer upon them an unconquerable prestige. The seaports have an advantage that it is difficult to overcome. They are on the great main travelled highway of the world, they share its magnificent traffic and are visited by men of all races,

**DRAWING
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creeds, tastes and codes, esthetic philosophic and moral. These variegated creatures bring and carry away all the goods, merchandise, costly stuffs and golden dross of the globe; the ebb and flow of this life, as sure as the ebb and flow of the ocean tides in the harbor, creates a city cosmopolitan, unprejudiced, picturesque.

"This is felt at once when the stranger sets foot in New York, San Francisco, New Orleans, or Charleston, South Carolina.

"In the case of New York there is always a profound doubt shadowing every vista. Is this a cosmopolis? Is it a chrysalis?

"Of course there is no such sense of tremendous heterogeneity about other cities of North America. San Francisco is as brilliant and enchanting as when first viewed, on a February morning in 1909, while sunshine poured upon its white new buildings and green grass made lovely every remaining scar. It has the misfortune to be provincial in a single respect—it fancies that culturally it is independent of the rest of earth. Now, even Boston knows better than that.

"The charms of New Orleans and Charleston are not intellectual. But then, who would wish them to be? They are offsets to Boston and San Francisco, which are our bright, advanced city children, although one worships simple studious delights and the other prefers the flashing frenzy of Parisian poets and decadents. The air of precocity invests both.

"Beside these coast towns how tame and commonplace appear the inland places! And beside New York how limited the personalities of other cities of the seaboard!"

* * *

NOT a word, you will notice, about Philadelphia, which has more real, distinctive flavor than any three of the cities named rolled in one. But then that is peculiarly a New York trait—that little trick of seeming to forget that Philadelphia has a place on the map or of passing it over to find mention for smaller and less distinctive and vastly less important centers of population. New York newspaper men regard that sort of thing as clever. Be pleased to observe also the delicate restraint in the sentence: "and beside New York how limited the personalities of other cities of the seaboard!"

* * *

WHEN the records of building operations for the year 1916 shall have been compiled for the country at large, it will be found that there has been a striking demand for

residences and that an enormous amount of building of that character has been done. This is indicated by reports from various parts of the country, says *The American Contractor*.

It has perhaps not been the main branch of construction. Factory building has been conspicuous. Work has been active in all departments. But if the achievements of the season could be visualized, the accretions and the improvements in residences would be readily noted, and would present an emphatic exhibit, as compared with the progress that had been scored in preceding years.

It has been an uplift movement, a trend toward better housing. The activities of the nation by way of domestic acquisitions, have been, as revealed in the public prints, amazingly toward automobiles, the increase in the number of which is nothing short of phenomenal. But the pleasure car and the motortruck have not had the stage of action completely to themselves, as persistently and rightfully as they have held the spotlight. The million new automobiles, which it is estimated will be purchased this year, may cost \$600,000,000 or more. A like, or greater amount, will perhaps be invested in new and improved dwellings.

Just as the rural districts are absorbing the greater percentage of the machines, so, too, the rural districts are indulging actively in the pleasant diversion of home renewals.

The agriculturist who buys a car gets into the statistics, for they are statewide; but the farmer who builds a handsome new home misses the public record, for the building permits are principally a matter of municipalities.

If by residence there is meant to be included, in addition to the detached house, the apartment building and the flat, the activities have been so palpable as to be self-evident. In many cities the housing operations have been principally in the direction of the multiform structure, the tenement, the flat or the apartment. In New York City apartment house construction has this season made distinctive gains. In Chicago the building of new flat structures has amounted almost to a craze. While Philadelphia has been busy on all kinds of housing problems.

But the work to which special reference is made here is to the detached dwelling, the one-unit home, the necessity of a generation ago, the luxury of to-day. They are not being erected notably in the congested urban districts, but in the suburbs and on the hillsides and in the valleys throughout the land. And this activity indicates clearly an improvement in the material resources of the builders; that and a number of other things.

And among the other things that it denotes is the widening prospect for the architect, for the builder and for the material man. Each completed residence may be a thing of the past, but it is more than that. It is a new standard, a new measure, a new incentive to others. It is the pioneer to be lost a few years hence in the maze of the followers. But even that will not mean the seeming slackening. For a new set of pioneers will launch forth next year and the year after, and they in turn will have their multitudinous followers. The architectural seed is planted one year. A profitable harvest comes a year later, still more generous harvests in the years to come.

* * *

MR. HAROLD DONALDSON EBERLEIN, who is regarded, in some sense, an authority, because of his familiarity with the subject, claims that to the Dutch Colonial House we owe that now fixed American institution the front porch.

"The Dutch Colonial House," says Mr. Eberlein, "sixteen hundred and thirteen to eighteen hundred and twenty, it at once a mystery and a paradox. It is a mystery because it seems to defy the law of physics about two bodies occupying the same space at the same time. It is a paradox because, despite its apparent simplicity, it is most complex in its texture and varied in its modes and expression.

"To the Dutch Colonial House may probably be attributed the origin of that essentially American institution, the porch, or at least one form of the porch as we now have it. The porch has been evolved and developed in response to a distinct and manifest need in our mode of life imposed by climatic conditions. It falls in with our habits bred of love of outdoors; our seasons invite, nay even, at times, compel its use. True, the porch has its prototype in certain architectural features found in England and on the Continent (especially in some of the Southern countries), but, as we now have it, it is a peculiarly national affair, and its evolution has been due to American ingenuity in an effort to meet the demands of local requirements. The earliest American houses, from New England to the Southern Colonies, faithful to prevailing precedent and tradition, had no porches—porches, that is, as we ordinarily understand the term. It was only as our domestic architecture developed along lines marked out and prompted by peculiarly American conditions and needs that precedents were forsaken, adaptations made, and porches appeared, at first in a rudimentary and tentative form and then finally, after the lapse of years, reached the full fruition of their growth

in the form familiar to us. That growth varied widely in the course it followed, according to the several sections of the country and consequent diverse requirements and preferences, but one form at least may be traced to the growth of plans in the houses of the Dutch Colonial type. The growth started with the projecting eaves at the front which eventually, were carried out long enough to make a porch roof and supported at their edge by pillars or columns. An excellent example of this may be seen in the piazza of the Manor House at Croton-on-Hudson, where the flaring slope of the roof is thus carried out and forms a porch covering. The same process may be traced in some of the later Dutch houses of New Jersey and Long Island.

"Almost synchronously with the development of the porch as a distinct feature, we find a tendency to carry the walls a trifle higher and pierce them with a row of small, low windows above the porch roof and immediately below the line of

the eaves which have now become distinct, the porch roof being cut off and made an independent member. These low windows, which were usually on a line a few inches above the floor inside, have been rather facetiously called 'lie-on-your-stomach windows.'"

* * *

THE GUIDE announces with regret the resignation as President of the Building News Publishing Company of Mr. W. D. Harvey, 2nd, who has been actively identified with THE GUIDE since it passed under its present management, six years ago. Mr. Harvey leaves THE GUIDE to take a position with the Graham-Campion Company, general contractors, 1215 Filbert street, where his extended experience in the building field and wide personal acquaintance with architects and owners should bespeak for him a generous measure of success. Mr. Harvey has THE GUIDE's best wishes in his new field of effort.

EDITORIAL NOTES

The *Public Ledger* in an article on Chester, inspired by the tremendous growth which has characterized that section within the past two years, finds space for the following reference to the plant of the O. W. Ketcham Company, near Crum Lynne:

"At the plant of the O. W. Ketcham Company, near Crum Lynne, is produced on an extensive scale every character of architectural terra cotta, a material that in the last few years has become indispensable to the American builder.

Differing from structural terra cotta in that the latter is a standard product made by machinery, architectural terra cotta is made to order by hand to the plans and specifications of the architect. First used in this country as a decorative material in connection with bricks, it became with the dawn of the steel-constructed building a primary material, fully able to stand on its own merits.

There are three kilns at this plant, one of them, with a capacity of 100 tons, said to be the largest in the country. It has 16 fires. The plant's capacity is about 3500 tons a year. Its employes number approximately 150.

"Many of the finest buildings and residences in the country have been ornamented with architectural terra cotta made in this plant, including the famous Guggenheim Mansion on Long Island, the interior of the new chapel of St. Charles's College, at Baltimore; the Masonic Temple, at Worcester, Mass."

The Bureau of Economic Geology and Technology of the University of Texas is conducting an investigation in concrete. The work is being carried out by Professors F. E. Giesecke and S. P. Finch, assisted by E. F. Ries. An advance circular has been prepared which will be sent to engineers and architects upon application and upon request, the Bulletin will be forwarded as soon as it is ready for distribution.

* * *

Unfilled tonnage on Aug. 31, 9,650,357, compared with 9,593,572 on July 30, and 4,908,445 on August 31, 1915. While the report shows gain of 66,745 during month, unfilled orders are still 277,441 tons below high record of 9,937,798, established in May.

* * *

The Engineering Experiment Station of the University of Illinois has just issued two new bulletins, Nos. 86 and 87. The first is on the Strength of the Webs of I-Beams and Girders and reviews a series of tests conducted with mathematical analysis to determine the importance of the diagonal strains and the methods of failures of the girders. The second bulletin concerns the Correction of Echoes and the Reverberation in the Auditorium of the University of Illinois. Dr. F. R. Watson and Mr. Jas. M. White, supervising architect, undertook the correction of the acoustics, the report of their operations being reviewed in the bulletin. Copies of these bulletins may

be obtained from W. F. M. Goss, Director, Urbana, Ill.

* * *

On July 6th all the properties and businesses of the Pennsylvania Steel Company and the Maryland Steel Company were acquired by a subsidiary of the Bethlehem Steel Company.

The General Sales Offices of the Pennsylvania Steel Company, Steelton, Pa.; Maryland Steel Company, Sparrow's Point, Md., and the Titusville Forge Company, Titusville, Pa., have been consolidated with the General Sales Offices of the Bethlehem Steel Company, with headquarters at South Bethlehem, Pa.

* * *

Building returns for August are rather irregular, according to *Bradstreets*. The total number of permits was larger than a year ago, but the aggregate of values is much smaller than in July and only slightly heavier than in August, 1915.

* * *

The Pittsburgh Industrial Development Commission has issued a new pamphlet, "Promoting Progress," which reports the stewardship of the popularly subscribed funds, amounting to nearly \$150,000, which was raised for the creation of the Pittsburgh Industrial Development Commission. The report indicates the work pursued by the organization, which through its direct efforts has located in Pittsburg thirty-six manufacturing plants which employ more than 8,100 persons.

Another publication, "Pittsburgh Promotes Progress," gives some valuable tabulated facts about Pittsburgh.

BUILDERS' GUIDE

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building North Philadelphia. Architect, Armando Aleantara, 2962 Bailey street, Philadelphia. Owners, General Scientific Equipment Co., 2718 W. Lehigh avenue. Brick and stone, 1 story, 28x100 feet, slag roof. Plans in progress. Too early for details.

Stores, southeast corner Broad and Girard avenue. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Clarence L. Marks, 6801 North Thirteenth street, Philadelphia. Brick, terra cotta and concrete, 2 stories, 20x160 feet, slag roof, steam heating, electric lighting, metal lath, ventilators. Architect has received bids.

Service Building, Broad and Melon streets, Philadelphia. Architect, M. H. Dickinson, 2330 Market street, Philadelphia. Owner, Samuel Gerson, 239 N. Broad street, Philadelphia. Brick, terra cotta and concrete, 3 stories, 80x86 feet, slag roof, steam heating, electric lighting, elevator, steel sash. Owner has received bids.

Garage, Fifty-ninth and Media avenue, Philadelphia. Architect, Harry Parker, Drexel Building, Philadelphia. Owner, Wm. H. Purdy, Swanson and Christian streets, Philadelphia. Brick, 3 stories, 78x100 feet, slag roof (hot water heating, electric lighting, plumbing and gasoline storage system, reserved). Owner has received bids.

Stable and Coal Storage (alt. and add.), 3241 N. Twenty-first street. Architects, Ballinger and Perrot, 1701 Arch street, Philadelphia. Owners, Estate of A. A. Catanach, on premises. Brick and concrete, 3 stories, slag roof, concrete floors, fire doors, steel sash. Architects have received bids.

Office Building, Wissahickon avenue, north of Roberts avenue. Architect, Thos. B. Lippincott, Stephen Girard Building, Philadelphia. Owners, Midvale Steel Co., Widener Building, Philadelphia. Brick, reinforced concrete and terra cotta, 6 stories, 170x50 feet, slag roof, steam heating, electric lighting, composition, concrete and mastic floors, metal lath. Owners, care H. G. Murphy, P. A. Widener Building, taking bids, due September 26th, at noon. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Roydhouse-Arey Co., Fidelity Building; Pomerooy Const. Co., 1609 Ransstead street; Barclay White Co., Perry Building; F. G. Stewart, 1619 Sansom street; Irwin & Leighton, 126 N. Twelfth street; W. W. Lindsay & Co., Harrison Building; Harry Brocklehurst, 510 W. Norris street; R. H. Howes Const. Co., Witherspoon Building; H. C. Rea Co., 1027 Wood street; Turner Concrete Steel Co., J. Sims Wilson Co., 1125 Brown street; F. W. Mark Const. Co., Finance Building; Geo. A. Fuller Co., Widener Building; and Wills-Ludwick & Co., 34 South Seventeenth street; Charles McCaul Co., 1713 Sansom street.

Stores (5), Apartments (6), and Service Building, Broad and Windrim avenue. Architect, Frank A. Hayes, Weightman Building, Philadelphia. Owners, Penn Realty & Const. Co., Ogontz avenue, above Chelton avenue. Brick, terra cotta and steel, 19x100 feet, 75x50 feet, and 30x75 feet, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take bids in about two weeks.

Garage, 3517 Longshore street, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owner, Dr. J. Albert Bolin, on premises. Brick, 1 story, 30x150 feet, slag roof, steam heating, electric

lighting, cement floors. Architects taking bids, due September 25th. The following are figuring: H. C. Rea Co., 1027 Wood street; James Johnston, 1721 Ludlow street; J. Sims Wilson Co., 1125 Brown street; F. W. Van Loen, Denckla Building; A. H. Williams' Sons, 419 Locust street; Wilson Milner, 4635 Penn street.

Telephone Exchange (alts.), Hope and Berks streets, Philadelphia. Architect, private plans. Owners, Bell Telephone Co., of Pa., Seventeenth and Arch streets, Philadelphia. Brick, slag roof, metal lath, plumbing heating electric lighting. Owners have received bids.

Machine Shop, Ruth and Cambria streets, Philadelphia. Architect, Geo. H. Thirsk, Frankford, Pa. Owners, Walker & Davis, 2765 Kensington avenue, Philadelphia. Brick, 1 story, 100x55 feet, slag roof, electric lighting, steam heating, cement floor. Owners taking bids. Harry Gill, Jr., 2515 Germantown avenue; F. A. Havens & Co., 845 N. Nineteenth street, and Frank Crompton, 4614 Oakland street, Philadelphia, are figuring.

Residences (2), Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 2d, Queen Lane Manor, Philadelphia. Owners, School Lane Land Co., Witherspoon Building, Philadelphia. Rought cast, 2½ stories, slate roof, hot water heating, hardwood floors, tile work, electric lighting. Architect taking bids. Samuel Harting, 22 Harvey street; Fred Elvidge & Son, 5522 Germantown avenue, and Keller Bros., 480 Harmon road, are figuring.

Shop and Office (alt. and add.), Passyunk avenue and Wolf street, Philadelphia. Architects, Henon & Boyle, 10 S. Eighteenth street, Philadelphia. Owners, Phila. Ship Supply Co., care Geo. H. Lathbury, 2025 Passyunk avenue, Philadelphia. Brick, 2 stories, 50x45 x20 feet expanded metal slag roof, hot water heating, electric lighting cement and pine floors. Architects taking bids, due September 19th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; John McShain, 1610 North street; Stacy Reeves & Son, 2011 Market street; Hogg Const. Co., 1634 Sansom street, and Jas. J. Sterret, 1745 South Nineteenth street; F. B. Davis, 240 N. Sixteenth street.

Power House and Kitchen, Fifty-third and Cedar avenue. Architects, E. F. Durang & Son, 1220 Locust street, Philadelphia. Owners, The Misericordia Hospital, care Sisters of Mercy, Merion, Pa. Brick, stone, steel and concrete, 1 story, composition roof (steam heating, plumbing, electric work reserved). Architects taking bids. The following are figuring: Melody & Keating, Bailey Building; Irwin & Leighton, 126 N. Twelfth street; Wm. R. Dougherty, 1610 Sansom street; John McShain, 1610 North street; Cramp & Co., Denckla Building; M. L. Conneen Co., 1829 Filbert street; Wm. J. McShane, 417 S. Thirteenth street; J. J. Murphy & Co., 4034 Powelton avenue; H. E. Baton, Twelfth and Sansom streets, and Doyle & Co., 1519 Sansom street.

Hospital (Sun Parlors) (alt. and add.), Thirty-fourth and Pine streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Phila. General Hospital, City Hall. Brick and frame, 2 stories, 78x35 feet, slag roof, steam heating, electric lighting, pine floors, metal weather strips, proposal bond. Owners tak-

ing bids, due September 25th, at noon. In addition to those previously reported, Mitchell Bros., 2125 Race street; P. J. Hurley, 1233 Cherry street; and Geo. Dobbins, 8341 Germantown avenue, are figuring.

Residence, St. Martins, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building. Owner, Carl A. Ziegler, Bailey Building, Philadelphia. Stone, 2½ stories, 30x80 feet, electric lighting, hardwood floors, tile work, slate roof, hot water heating. Architects taking bids, due September 25th. The following are figuring: W. John Stevens, Wyncote, Pa.; F. B. Davis, 240 N. Sixteenth street; Woverton & Collins, 930 Germantown avenue; I. A. Dunkelberger, 1 E. Herman street.

Foundry (alt. and add.), Third and Allegheny avenue, Philadelphia. Architect, A. J. Sauer & Co., 908 Chestnut street. Owners, Burnstein Mfg. Co., on premises. Brick, steel and reinforced concrete, 2 stories, add. 46x47 feet; shed, 72x61 feet, slag roof, electric light, cement and Belgium block floors, steel sash. Architects taking bids, due September 22d. L. T. Shoemaker, 1324 Walnut street; W. E. Wark & Co., 1737 Filbert street; Frank G. Stewart, 1619 Sansom street; J. Sims Wilson Co., 1125 Brown street; Hogg Const. Co., 1634 Sansom street; Barclay White Co., Perry Building, are figuring.

Recreation Building Sixteenth and Wyoming streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Education, City Hall. Frame, 1 story, 42x24 feet, asbestos shingle roof, proposal bond (electric work separate bids). Owners taking bids, due September 26th. W. W. Anstine & Co., 1218 Filbert street; Mitchell Bros., 2125 Race street; E. C. Durell, 1713 North Twenty-fourth street; R. P. Bennis, Chew and Price streets, and Daniel J. Lynch, 4127 Mantua street, are figuring.

Residence, Sentner street, Philadelphia. Architects, Sheen & Gill, 450 North Wilton street, Philadelphia. Owners, C. W. Ridgley, care of architects. Frame and plaster, 2 stories, 20x30 feet, roofing not decided, hot water heating, electric lighting. Architects taking sub-bids, due on September 23rd.

Store and Apartments (alts.), 126 South Ninth street, Philadelphia. Architect, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Ernest Jambor, on premises. Brick and terra cotta, 3 stories, slag roof, steam heating, electric lighting, waterproofing, metal lath, elevator. Architects taking bids, due September 19th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; W. O. Springer, 1624 Latimer street; Lam Building Co., 1001 Wood street; H. Reusswick, 134 South Tenth street; R. M. Peterson, 5215 Wakefield street; Julius Raith, 304 Master street; D. J. McNamee, 1621 North Fifteenth street.

Recreation Building, Twenty-fourth and Jackson streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, City Hall. Brick, 1 story, 69x181 feet, asbestos shingle and slag roof, proposal bond (electric work and plumbing separate bids). Owners taking bids, due September 26th. W. W. Anstine & Co., 1218 Filbert street, Mitchell Bros., 2125 Race street; E. C. Durell, 1713 North Twenty-fourth street; R. P. Bennis,

Chew and Price streets, and Daniel J. Lynch, 4127 Manut street, are figuring.

Recreation Buildings, Berks, Blair and Palmer streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, City Hall. Brick, 1 story, 261x80 feet. Consists of swimming pool, dressing booths and iron fences, asbestos shingle and slag roofs, proposal bond (electric work and plumbing separate bids). Owners taking bids, due September 26th. W. W. Anstine & Co., 1218 Filbert street; Mitchell Bros., 2125 Race street; E. C. Durell, 1713 North Twenty-fourth street; R. P. Bennis, Chew and Price streets, and Daniel J. Lynch, 4127 Mantua street, are figuring.

Bank Building, 1805 to 1815 East York street, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owners, Western Saving Fund Society, Tenth and Walnut streets. Limestone and brick, 1 story, 60x79 feet, slag roof, steam heating, electric lighting. Architects are sub-letting all contracts.

Church, Indiana avenue and Almond street. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, St. George's P. E. Church. Stone, 1 story, steam heating, electric lighting. Plans in progress.

Residences (31), Richmond, Schiller, Salmon and Edgemont streets, \$65,000. Architect, private plans. Owners, Yoskin & Shefferin, Tilton street, east of Ontario street. Brick, 2 stories, 16x40 feet, slag roof, hot air and hot water heating, hardwood floors, electric and gas lighting. Owners will take sub-bids in about two weeks.

Store (1) and Residences (5), Forty-ninth and Aspen streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets. Owner, Joseph Kraus, 3123 N. Fifteenth st., Philadelphia. Brick and stone, 2 stories, 20x30 feet, slag roof, hot air heating, combination lighting. Plans about completed. Owner will take sub-bids in about one week.

Residence, 1703 S. Fourth street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, name withheld. Brick, 2 stories, 18x55 feet, slag roof, hot water heating, electric work, tile work, hardwood floors. Plans about completed. Architect will be ready for bids in a few days.

Loft Building, Front and Poplar streets, Philadelphia. Architect, Fred M. Greisler, Lafayette Building, Philadelphia. Owner, Simon Wall, care architect. Brick, 5 stories, 65x150 feet, slag roof, steam heating, electric lighting, cement floors, fire doors, metal sash, elevator. Architect taking bids. The following are figuring: Loos & Dothard, Commercial Trust Building; Wills-Ludwick Co., 34 S. Seventeenth street; H. E. Baton, Twelfth and Sansom street; F. A. Havens & Co., 845 North Tenth street.

Hotel, southwest corner Darien and Catherine streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue. Owner, Frank Palumbo, 324 Catherine street. Brick

and terra cotta, 4 stories, 68x84 feet, slag roof, hot water heating, electric lighting, marble and tile work, metal lath, fire doors, kalamein doors, vacuum cleaner. Owner taking bids. Edw. Fay & Con, 2 South Mole street, are figuring, in addition to those previously reported.

Hospital (Sun Parlors, alt. and add.), Thirtieth and Pine streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, General Hospital, City Hall. Brick and frame, 2 stories, 78x35 feet, slag roof, steam heating, electric lighting, pine floors, metal weather strips, proposal bond. Owners taking bids, due September 25th at noon. In addition to those previously reported, Standard Const. Co., Drexel Building, and McCloskey & Bahls, Hale Building, are figuring.

Factory (add.), Tioga, Philadelphia. Architect, private plans. Owner's name withheld. Brick, 2 stories, 99x60 feet, slag roof, electric lighting, concrete floors, steel sash, elevator. J. T. Shoemaker, 1324 Walnut street, taking sub-bids, due September 25th.

Factory (alt.), 515-29 North Fifth street. Architect, private plans. Owners, Victor Gas Fixture Co., 18 South Seventh street, Philadelphia. Brick, 2 stories, consists of general interior alterations, steam heat, electric lighting, cement floors. Owner will sub-let all contracts.

Residence (alt. and add.) and Garage, 4207 Walnut street. Architects, Newman & Harris, 1123 Broadway, New York City. Owner, Joseph H. Reilly, 4538 Chestnut street. Brick, plaster and terra cotta, 3 stories, tile roof, electric lighting, oak floors, metal weather strips, cabinet work, tile work (plumbing and heating reserved). Architects taking revised bids, due September 25th. Thomas M. Seeds, Jr., 1207 Race street, and A. R. Raff Const. Co., 1635 Thompson street, Philadelphia, are figuring.

Office Building, 529 Chestnut street, \$50,000. Architects, A. M. Adams, 1012 Walnut street, and Wallace & Warner, Real Estate Trust Building, Philadelphia. Owners, Girard Life Insurance Co., Drexel Building, Philadelphia. Stone, brick and steel, 2 stories, 24x100 feet, slag roof, steam heating, electric lighting, metal lath, marble and tile work. Builders, William Steele & Sons, 1600 Arch street, will take sub-bids on all lines in about two weeks.

Factory, 1719 North Tenth street, Philadelphia. Architect, private plans. Owners, John E. Sjoström Co., Inc., on premises. Brick, 3 stories, 100x154 feet, slag roof, steam heating. Plans in progress. Owners will take bids in one week. J. Franklin Stuckert, 908 Chestnut street, will superintend the work.

Playground (Shot Tower), Front and Carpenter streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, City Hall. Consists of brick piers, iron fence, concrete and granite coping and granolithic paving. Owners taking bids, due September 26th at noon. P. M. Sax, Heed Building, is figuring.

Henry, Thirty-third and Moreland avenue, Philadelphia. Consists of general alterations, interior and exterior, new porches (heating system, tile work and hardwood floors reserved). Contract awarded to Samuel Harting, 22 Harvey street, Germantown.

Office and Store Building, northeast corner Fifth and Arch streets. Architect, William C. Furber, 418 Walnut street. Owner, J. Clifton Buck, 429 Arch street, Philadelphia. Brick, terra cotta and concrete, 33x33 feet, slag roof, steam heating, electric lighting, composition floors, metal sash, fire doors, safety treads, sprinklers, dampproofing, metal lath. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

Residence, Seventh and Cheltenham avenue, Philadelphia. Architects, Guy King & E. A. Wightman, 1513 Walnut street. Owner, John E. Sheets, Oak Lane, Philadelphia. Stone, 2½ stories, 40x41 feet, shingle and slate roof, steam heating, electric lighting, metal lath, tile and marble work. H. H. Wehmeyer, 1004 Lehigh avenue, will superintend work for owner, who will take sub-bids on all lines.

Bakery, 209 to 213 North Fifth street, Philadelphia, \$50,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Henry Rohner & Co., Fifth and Race streets, Philadelphia. Reinforced concrete and brick, 4 stories, 50x57 feet, slag roof, steam heating, electric lighting, elevators, metal sash, fire doors, roof ventilator. Contract awarded to George L. Sipps, 912 Locust street.

Garage, 4312 to 4316 North Broad street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, F. W. Kroesser, 1432 Rush street, Philadelphia. Brick, 1 story, 55x178 feet, slag roof, steam heating, electric lighting. Contract awarded to John McShain, 1610 North street.

Engine Room and Offices (adds.), West Philadelphia Yards, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Thirty-second and Powelton avenue. Brick, 1 and 2 stories, 50x12 feet, slag roof, concrete floors, safety treads, ventilators, kalamein doors. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Pennsylvania Construction News

Group of Buildings, Ivy Rock, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Alan Wood Iron and Steel Co., Widener Building, Philadelphia. Brick and concrete, office building, 1 story, 47x112 feet; employees' building, 3 stories, 47x25 feet; restaurant, 1 story, 82x40 feet; garage, 1 story, 21x114 feet; administration building, 1 story, 21x46 feet; slag roofs, steam heating, electric lighting, metal sash, fire doors, roof ventilators. Plans about completed. Architects will take bids in about ten days.

Club House, Reading, Pa., \$100,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, Wyomissing Club, Reading, Pa. Brick, stone and terra cotta, 4 stories, 45x120 feet. Plans in progress.

Club House, Ardmore, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Woman's Club of Ardmore, Ardmore, Pa. Hollow tile, plaster, finish, 1 story, 43x100 feet, slag roof, terra cotta and cut stone, cement and concrete work, tile work. Architect has received bids.

Sub-Station and Garage, Erie, Pa. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Erie Lighting Co., Erie, Pa. Brick and steel, 1 and 2 stories, 48x84x50 feet, slag roof. Plans completed.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory and Garage, 3501-03-05 Market st., Philadelphia. Architect, H. E. De Hoff, 48 S. Sixty-first street, Philadelphia. Owner, Edwin D. Kirk, on premises. Brick, 1 story, 42x90 feet, slag roof, steam heating, electric lighting, fire doors. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

Residence (alt. and add.), 2226 Tioga street,

\$6,000. Architect, private plans. Owner, Thomas Armstrong, Twenty-third and Tioga streets. Brick, 3 stories, slag roof, hot water heating, electric lighting. Contract awarded to F. E. Wallace, 1220 Chancellor street.

Residence (alt. and add.), Chestnut Hill, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, T. Charlton

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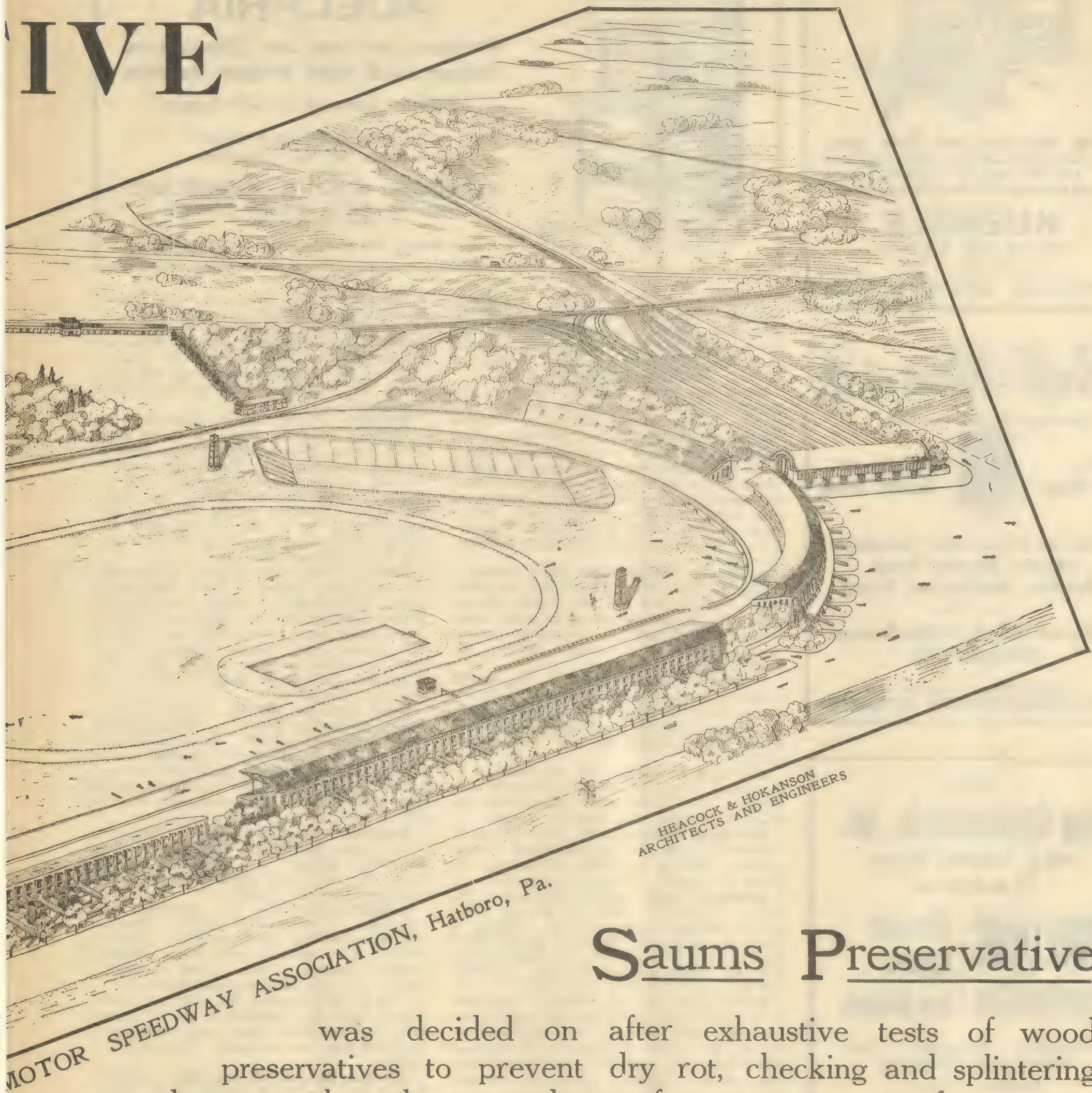
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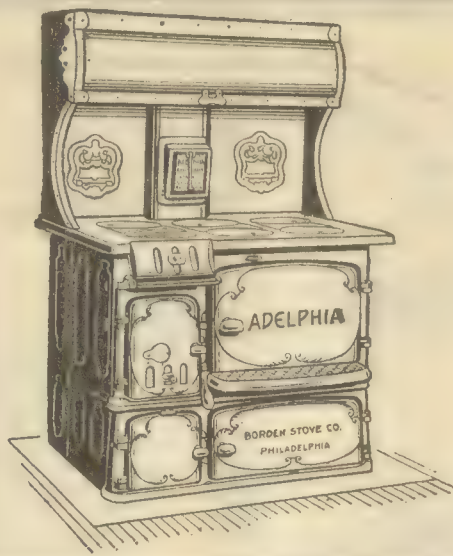
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Residence, Swarthmore, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Mrs. William I. Hull, Swarthmore, Pa. Stone and shingle, 2 stories, 21x24 feet, shingle and tin roof (heating reserved). Architects have received bids.

Store and Office Building, Hanover, Pa., \$200,000. Architect, Charles M. Anderson, 324 North Charles street, Baltimore. Owners, Sheppard & Myers, Hanover, Pa. Brick, steel, hollow tile and terra cotta, 4 stories, 115x110 feet, slag and tin roof, steam heating, electric lighting, waterproofing, tile work, ventilators, fire doors, metal lath elevators, ornamental iron work. Architect taking bids. Bailey-Lush Co., 201 North Broad street, Philadelphia, is figuring, in addition to those previously reported.

Residence, Wynnewood, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Mrs. W. W. Wimer, Wynnewood, Pa. Stone and frame, 3 stories, addition of 1 story, 7x15 feet, composition shingle roof, vacuum heating, electric lighting, tile work. Plans in progress.

Bungalow, Conewago Heights, Pa., \$4,500. Architects, Gemmill & Billmeyer, York, Pa. Owner, Henry K. Ottmeier, Conewago Heights, Pa. Frame, 1 story, 47x54 feet, shingle roof, steam heating, electric lighting. Plans in progress.

Hog Barn, Harrisburg, Pa. Architect, J. A. Dempwolf, York, Pa. Owners, State Lunatic Asylum, care of Dr. Orth, Harrisburg, Pa. Plans in progress. Too early for details.

Cow Barn, Harrisburg, Pa. Architect, J. A. Dempwolf, York, Pa. Owners, State Lunatic Asylum, care of Dr. Orth, Harrisburg, Pa. Plans in progress. Too early for details.

Residence, Grant street, Lancaster, Pa., \$3,000. Architect, Frank J. Everts, Woolworth Building, Lancaster, Pa. Owner, J. Bair, Lancaster, Pa. Brick, 2 stories, 20x35 feet, slate roof, hot water heating, electric lighting. Plans about completed. Architect will be ready for bids in a few days.

School, Palmerton, Pa., \$30,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Palmerton, Pa. Brick, 1 story, 74x121 feet and 97x34 feet, slate roof, hot air or steam heating, electric lighting, reinforced concrete floor, fire doors. Revised plans in progress.

Club House, Sixth and New Market streets, Chester, Pa. Architect, H. H. Jackson, Chester, Pa. Owners, Chester Nest of Owls, No. 1228, Chester, Pa. Brick and terra cotta, 3

stories, 50x100 feet, slate roof, vapor heating, electric lighting, maple and pine floors, terrazzo work, roof ventilators, dumb waiters. Owners, care of Charles McCall, Colonnade Hotel, Chester, Pa., taking bids. Bailey-Lush Co., 201 North Broad street, and Hogg Const. Co., 1634 Sansom street, Philadelphia, are figuring.

Residence, Market street, Pottsville, Pa. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, Jake E. Daubert, Pottsville, Pa. Hollow tile and plaster, 2½ stories, 30x48 feet, slate roof, hot water heating, electric lighting, oak floors, tile work. Architect taking bids, due September 23rd. F. B. Davis, 240 North Sixteenth street, and Hogg Const. Co., 1634 Sansom street, Philadelphia, are figuring.

Residence, Lancaster avenue, Wynnewood, Pa. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Mrs. W. W. Wimer, Wynnewood, Pa. Stone and frame, 2 stories, addition of 1 story, 7x15 feet, composition shingle roof, vacuum heating, electric light, tile work. Architect taking bids. Alan G. Smith, 2135 North Sixty-third street, is figuring. Only bidder.

Home, York, Pa., \$40,000. Architects, Gemmill & Billmeyer, York, Pa. Owners, Loyal Order of Moose, York, Pa. Brick, marble and steel, 4 stories, 242x30 feet, tin roof, steam heating, electric lighting, hardwood, tile and marble floors, metal lath, ventilators, metal sash, dumb waiter. Architects have received bids.

Residence, Quincy, Pa., \$5,000. Architect, M. I. Kast, Harrisburg, Pa. Owner, Rev. Kitzmiller, Quincy, Pa. Brick, 1½ stories, 34x34 feet, slate roof, steam heating, electric lighting. Plans in progress.

Warehouse, Manheim, Pa. Architect, private plans. Owners, United States Asbestos Co., Manheim, Pa. Brick and steel, 4 stories, 100x200 feet, asbestos roof, steam heating, electric lighting. Plans about completed. Owners will take bids in about one week.

Y. M. C. A., Lewiston, Pa. Architect, John Haame, York, Pa. Owners, Y. M. C. A., Lewiston, Pa. Brick and stone, concrete and steel. Architect has been selected. Too early for details.

Operation Station (alt. and add.), Newtown Square, Pa. Architect, private plans. Owners, American Telephone and Telegraph Co., New York City. Brick, 1-story addition, 39x25 feet, slag and asphalt shingle roof, steam heating, electric lighting, pine floors, metal

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lath, waterproofing. Owners taking bids, due September 21st. The following are figuring: E. R. Hall & Bro., 34 South Seventeenth street; F. L. Hoover & Sons, 1023 Cherry street; H. E. Baton, Twelfth and Sansom streets; H. H. Burrell, 206 South Quince street; F. W. Van Loon, Denckla Building, Philadelphia, and Charles Dickinson, Broomall, Pa.

Bridge No. 18, over Pennypack Creek, east of Bryn Athyn, Pa. Architect, private plans. Owners, Philadelphia and Reading Railway Co. (P. N. & N. Y.). Steel and concrete, 114 feet long, 14½ feet wide. Owners taking bids, due September 20th. A. L. Carhart, Hale Building, is figuring.

Bridge No. 29, west of Leidighs, Pa. Architect, private plans. Owners, Philadelphia and Reading Railway, Reading Terminal, Philadelphia. Steel and reinforced concrete, 122 feet long and 19 feet wide, waterproofing. Owners taking bids, due September 20th. A. L. Carhart, Hale Building, is figuring.

Garage, Pottstown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. R. Roth, Pottstown, Pa. Brick, 1 story, 20x22 feet, composition roof, electric light, cement floors. Plans in progress.

Garages (8), Rinter and West Windsor sts., Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Kemmerer & Zezhman, Reading, Pa. Brick and concrete, 1 story, 117x20 feet, composition roof, electric lighting, concrete floors, waterproofing. Plans in progress.

Residing, Pennside, Pa., \$10,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, J. B. Shaeffer, Pennside, Reading, Pa. Tapestry brick and stone trim, 2½ stories, 43x48 feet, slate roof, hot water heating, combination lighting, hardwood floors and tile work, metal lath. Owner will take sub-bids.

Brewery (add.), Reading, Pa. Architect, Geo. L. Gerhard, 510 Penn street, Reading, Pa. Owners, Reading Brewing Co., Reading, Pa. Brick and steel, 2½ stories, 47x80 feet, composition roof, steam heating, electric lighting, reinforced concrete floors. Plans in progress.

School, Birdsboro, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, D. Hunter Watts, secretary. Brick, 1½ stories, 91x60 feet, composition roof, hot air heat, maple floors, fire doors, slate blackboards, metal lath dampproofing. Owners taking bids, due September 19th. (Note extension of time.)

Garage, Lanford, Pa. Architect, F. A. Muchlenberg, Colonial Trust Building, Reading, Pa. Owner, G. Howard Bright, Reading, Pa. Brick, 1 story, 30x40 feet, asbestos shingle roof, electric lighting, concrete floors, steel ssah. Owner taking bids.

Residence, Reading, Pa., \$30,000. Architect, Wayne M. High, 11 N. Fifth street, Reading, Pa. Owner Max Luria, Reading, Pa. Hollow tile or brick, 3 stories, 60x65 feet, tile roof, (heating not decided), combination lighting, tile and hardwood floors, metal lath, dampproofing, vacuum system. Architect will sub-let all contracts.

Garage (add. and alt.), Reading, Pa., \$15,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Heydt Motor Car Co., care of Mr. Heydt, Reading, Pa. Brick, steel and reinforced concrete, 2 stories, 50x96 feet, slag roof, steam heating, electric lighting, reinforced concrete, corrugated floors, metal lath, dampproofing. Architect taking bids, due September 20th. The following are figuring: L. H. Focht & Son, Daniel Hunter and the Beard Const. Co., all of Reading, Pa.

Residence, Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Clarence L. Weimer, Lebanon, Pa. Brick and hollow tile, 2½ stories, 77x53 feet, asbestos roof, steam vapor heating, electric lighting, hardwood floors, tile work. Architect taking bids, due September 20th. The following are figuring: Beard Construction Co., J. H. Greiner, of Reading, Pa.; A. P. Spatz, Wernersville, Pa., and Shonk Bros., Lebanon, Pa.

Store and Office Building (alt. and add.), Sixth and Washington streets, Reading, Pa., \$80,000. Architects, George L. Gerhard & Son, 519 Penn street, Reading, Pa. Owners, American Casualty Co., Reading, Pa. Stone, terra cotta, brick and steel, 6 stories, 60x111 feet, slag roof, vapor heating, combination lighting, composition, hardwood, tile and reinforced concrete floors, elevator, slate treads, 3 vaults, new store fronts. Architects ready for sub-bids on all lines.

Residence, York road, Jenkintown, Pa. Architect, Wesley Mullin, Maple Glen, Pa. Owner, William Osborne, 5017 North Eleventh street, Philadelphia. Hollow tile and brick, 2½ stories, 44x28 feet, shingle roof, vapor heating, electric lighting, hardwood floors, tile work. Owner taking bids, due September 21. The following are figuring: Stewart Bros., 2526 North Orkney street; W. John Stevens, Wynecote, Pa.; Frank D. Williams, Noble, Pa.;

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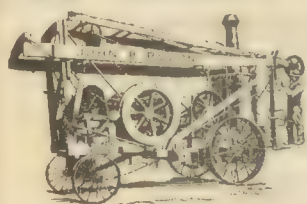
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Residences and Garages (2), Chester, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Robert Wetherill, Chester, Pa. Stone and hollow tile, 2½ stories, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Owner is sub-letting all contracts.

Residence, Chester, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, H. H. Ward, Chester, Pa. Hollow tile, 2½ stories, 45x50 feet, slate roof, hot water heating, combination lighting, hardwood floors, tile work. Plans about completed. Owner will take bids.

Residence, St. Martins, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Carl A. Ziegler, Bailey Building, Philadelphia. Stone, 2½ stories, 30 x 80 feet, electric lighting, slate roof, hardwood floors, tile work, hot water heating. Architect taking bids, due September 25th. In addition to those previously reported, J. B.

Flounders, 1329 Arch street, is figuring.

Hotel, Third and Walnut streets, Harrisburg, Pa., \$1,000,000. Architect not yet selected. Owner, E. Z. Wallower. Too early for details.

Residence, Matson Ford road, Radnor, Pa. Architect, Edwin H. Fetterolf, 1524 Chestnut street, Philadelphia. Owner, Mrs. Ninian Caldwell Cregar, Radnor, Pa. Frame and plaster, 2½ stories, 24x108 feet, tile and canvas roof, hot water heating and vapor vacuum heating, electric lighting, tile, maple and pine floors, vacuum cleaner system, metal lath. Architect taking bids, due September 25th. The following are figuring: James H. Wells, Heed Building; A. R. Raff Const. Co., 1635 Thompson street; J. D. Lengle, Wayne, Pa.; E. N. Croll, Radnor, Pa., and W. W. Wannop, Haverford, Pa.

Garage (alt. and add.), Chester, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Richard Wetherill, Chester, Pa. Stone, 2 stories. Plans in progress.

PENNSYLVANIA

Contracts Awarded

Factory and Garage, Harrisburg, Pa. Architect, C. Harry Kain, 317 Chestnut street, Harrisburg, Pa. Owners, Jennings Mfg. Co., Harrisburg, Pa. Steel, reinforced concrete and brick, 3½ stories, 95x125 feet; garage, 37x12 feet, slag roof, steam heating, electric lighting. Contract awarded to Crawford & Stevenson, Harrisburg, Pa.

Residences (2), West Lemon street, Lancaster, Pa., \$7,000. Architect, M. R. Evans, Lancaster, Pa. Owners, The Realty Co., Lancaster, Pa. Brick, 2½ stories, 17x46 feet, slate roof, hot air heating, combination lighting. Contract awarded to Ray Clark, Lancaster, Pa.

Boiler House and Car Shop (add.), Newberry Junction, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway Co., Reading Terminal, Philadelphia. Brick, 1 story, 57x 24 feet, slag roof, iron stairs. Contract awarded to Edward J. Flynn, Williamsport, Pa.

Service Station, Wayne, Pa. Architect, private plans. Owners, Atlantic Refining Co., 3144 Passyunk avenue, Philadelphia. Frame and shingle, 1 story, 15x15 feet, shingle roof, electric lighting, cement floors. Contract awarded to Metzger & Fisher, Denekla Building, Philadelphia.

Church (alt. and add.), Ft. Washington, Pa. Architect, H. A. Macomb, 214 S. Seventh street, Philadelphia. Owners, St. Paul's P. E. Church, Ft. Washington, Pa. Stone, slate and tin roof. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Garage, Reading, Pa. Architect, F. A. Muchlenberg, Colonial Trust Building, Reading, Pa. Owner, Chas. H. R. Madeira, Reading, Pa. Brick, 2 stories, 30x20 feet, asbestos shingle roof, hot water heating, electric lighting, concrete floors. Contract awarded to Geo. A. Koch, Reading, Pa.

Knitting Mill, Womelsdorf, Pa., \$10,000. Architect, J. Earl Hickman, 119 S. Fifth st.,

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Reading, Pa. Owner, James Blackwood Cameron, Reading, Pa. Brick, 1½ stories, 40x87 feet, asbestos shingle roof, steam heating, electric lighting, maple floors steel sash. Contract awarded to Louis Reiber, Lancaster, Pa.

Residence, Born Township, Pa., \$12,000. Architect, J. Earl Hickman, 119 South Fifth street, Reading, Pa. Owner, Theodore Heizman, 318 N. Fifth street, Reading, Pa. Hollow tile and stucco, 2 stories, 45x70 feet, slate or tile roof, steam heating, electric lighting, tile and hardwood floors, dampproofing. Contract awarded to H. J. Raudenbush, Reading, Pa.

Stable (alt. and add.), Chestnut Hill, Pa., \$3,000. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, James G. Leiper, Chestnut Hill, Pa. Brick, 1½ stories, 18x50 feet, shingle roof, electric lighting, cement floors, new stalls. Contract awarded to J. S. Cornell, Land Title Building, Philadelphia.

Residence (alt. and add.), Bryn Mawr, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Thomas D. Wood, Bryn Mawr, Pa. Refrigeration room, brick. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

NEW JERSEY Construction News

..Club House, Woodbury Heights, N. J. Architect, Oliver R. Parry, 1631 Chestnut st., Philadelphia. Owners, Atwold Country Club, Woodbury Heights, N. J., care John Mayhow, 128 Federal street, Camden, N. J. Stone, terra cotta and timber, 2 stories, shingle roof, electric lighting, steam heating, refrigerating plant, boiler house, hardwood floors, tile work. Architect taking bids. The following are figuring: Elfret & Company, 1708 Sansom street; T. C. Trafford, 1613 Sansom street; Specht & Sperry, Heed Building; E. J. Kreitzburg, 1345 Arch street; Wills-Ludwick Co., 34 S. Seventh street, all of Philadelphia; F. Fries & Co., Haddon Heights, N. J.; J. B. Rogers Co., Moorestown, N. J.; Mockett Const. Co., Camden, N. J.; J. B. Best, Woodbury, N. (Plans may be obtained at 128 Federal street, J.; Jos. B. Brown, Moorestown, N. J., and the Flint Construction Co., of Palmer, Mass. Camden, N. J.)

Y. M. C. A., New Brunswick, N. J. Architects, Shattuck & Hussey, Chicago, Ill. Owners, Y. M. C. A., New Brunswick, N. J. Brick, steel, terra cotta and concrete, 4 stories, 39x170 feet, wing 50x25 feet, composition roof, composition floors, marble and tile work, iron stairs, safety treads, steel sash, roof ventilator (heating, plumbing and electric work reserved). Architects taking bids, due September 25th. In addition to those previously reported, A. Raymond Raff Construction Co., 1635 Thompson street, Philadelphia, are figuring.

Residence, Haddonfield, N. J. Architect, Wm. C. Prichett, 416 Walnut street, Philadelphia. Owner, Stanley W. Rusk, Haddonfield, N. J. Hollow tile and plaster, 2½ stories, 45x39 feet, shingle roof, tile work, oak floors, wire lath (heating, plumbing and electric work reserved). Revised plans in progress.

Store and Office Building, George street, New Brunswick, N. J. Architect, Alex. Merchant, New Brunswick, N. J. Owner, Wm. R. Reed, New Brunswick, N. J. Brick, 3 stories, 50x42 feet, slag roof, steam heating, electric lighting, maple floors, metal ceilings. Owners taking bids, due September 13th.

Hughes-Fuolkrod Co., Commercial Trust Building, Philadelphia, are figuring.

Residence and Garage, Atlantic City, N. J. Architect, P. J. Kluges, Jr., 1012 Walnut st., Philadelphia. Owner, Wm. Riddle, City Hall, Atlantic City, N. J. Brick, hollow tile and plaster, 2½ stories, 63x55 feet, tin and tile roof, electric lighting, oak floors, cabinet work and tile work. Architect taking revised bids, due September 22d. The following are figuring: H. E. Baton, Twelfth and Sansom streets, Philadelphia; Abacus Const. Co., Philip Hannum, Chas. P. Tilton and Samuel H. Headley, Atlantic City, N. J. (Plumbing, heating and electric light fixture reserved.)

Passenger Station (alts.), Rahway, N. J. Architect, Wm. H. Cookran, Broad street Station, Philadelphia. Owners, Penna. Railroad creteCo., Broad Street Station, Philadelphia. Consists of enclosures for stairs, reinforced concrete and plaster, tin roof, metal lath, galvanized iron sash. Owners taking bids, due September 20th. In addition to those previously reported, A. L. Carbart, Hale Building, is figuring.

Residence, Atlantic City, N. J. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Mahlon W. Newton, Eighth and Chestnut streets, Philadelphia. Brick, hollow tile and plaster, 2½ stories, 34x83 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work. Architects taking bids, due September 22d. The following are figuring: F. L. Hoover & Sons, 1023 Cherry street; W. Beaumont, Stephen Girard Building; Specht & Sperry; Heed Building, Philadelphia; W. L. Higbee, Philip G. Hannum and Hampton Bros., Atlantic City, N. J., and Hugh B. Miller, Edgewater Park, Pa.

Residence, Audubon, N. J. Architect, Fredrick T. Uezzell, 147 North Third street, Philadelphia. Owner, James H. Thonr, Audubon, N. J. Stone and stucco, 2½ stories, 27x42 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Will be ready for bids in one week.

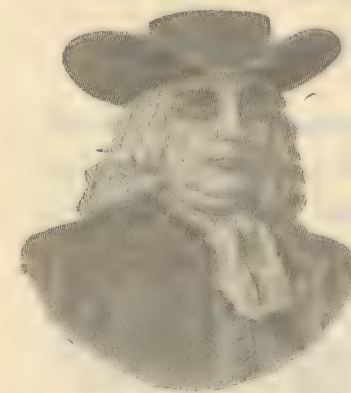
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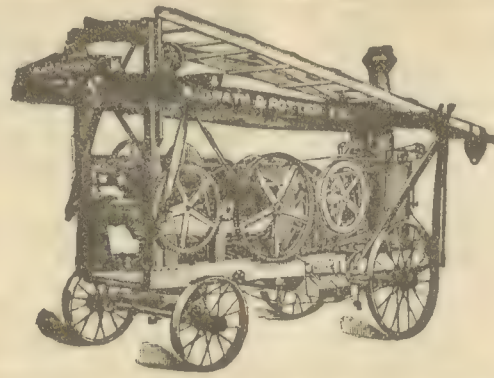
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NEW JERSEY

Contracts Awarded

School, National Park, N. J. Architect, Chas. R. Peddle, 136 S. Fourth street, Philadelphia. Owners, Board of Education, National Park, N. J. Frame, 1 story, 24x71 feet, shingle roof (heating, plumbing and electric work separate bids). Contract awarded to Chas. D. Thurlow, Mantua, N. J.

Residence, Atlantic City, N. J. Architects, Druckenmiller & Williams, Land Title Building. Owner, Mahlon W. Newton, Eighth and Chestnut streets, Philadelphia. Hollow tile, brick and plaster, 2½ stories, 34x83 feet, slate roof, hot water heating, electric lighting,

hardwood floors, tile work. Contract awarded to Hampton Bros., Atlantic City, N. J.

Glass Factory, Glassboro, N. J. Architects, The De Vore-McGormley Co., Toledo, Ohio. Owners, Whitney Glass Works, Glassboro, N. J. Brick, concrete and steel, 1 story, 410x254 feet and 222x94 feet, and 68x187 feet, cement tile roof, metal sash, roof ventilators, wood block floors (heating, plumbing, electric work and sewage disposal system separate bids). Contract awarded to James Stewart Co., New York City.

MARYLAND

Construction News

Residence, Relay, Md., \$30,000. Architect, L. H. Fowler, 347 N. Charles street, Baltimore. Owner, Howard Bruce, care Barlett, Hayward & Co., Scott and Henry streets, Baltimore. Brick or hollow tile, 2½ stories, slate roof, electric lighting. Plans in progress.

Lodge Building and Stores, Charles and Preston streets, Baltimore. Architects, Clyde N. Friz, Munsey Building, Baltimore. Owners, Knights of Pythias, care Richards Lawa Lee, Chairman of Building Committee, 232 St. Paul street, Baltimore. Brick, stone and terra cotta, 5 stories, 83x150 feet, slate or slag roof, steam heating, electric lighting, elevators. Plans in progress. Too early for details.

Arch, over Western Run, along York road, No. B-21-Br. Architect, private plans. Owners, State Roads Commission, care Frank H. Zouch, Chairman, 601 Garrett Building, Baltimore, Md. Reinforced concrete arch, 90 feet. Owners are taking bids, due September 26th.

Shop, Sparrows Point, Md. Architect, private plans. Owner, Bethlehem Steel Co., Sparrows Point, Md. Steel, brick, concrete, 77x325 feet, slag roof, steel sash, metal cornices (heating, plumbing and electric wiring reserved). Owners taking bids due September 25th. The following are figuring: Henry Smith & Sons, Singer-Pentz Co., and the West Const. Co., all of Baltimore, Md.

MARYLAND

Contracts Awarded

Bank Building (alts.), South and Water sts., Baltimore, \$37,000. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore, Md. Owners, Merchant-Mechanics Bank, care Douglas H. Thomas, President, on premises. Consists of general interior alterations, tile and marble work, concrete work, electric lighting, plumbing, etc. Contract awarded to H. D. Watts Co., Garrett Building, Baltimore, Md.

Apartment (alts.), 112 W. Twenty-second street, Baltimore, Md. Architect, F. E. Beall, 306 St. Paul street, Baltimore. Owner, Henry W. Rogers Co., Central Savings Bank Build-

ing, Baltimore. Consists of general interior alterations, electric lighting. Contract awarded to C. O. Cooper, 111 N. Paca street, Baltimore.

Sunday School (alt. and add.), Catonsville, Md. Architect, Walter M. Gienke, Gunther Building, Baltimore. Owners, Salem Lutheran Congregation, care Rev. John C. Bowers, Newberg avenue, Baltimore. Stone, 1 story, 19x47 feet, slate roof, electric lighting, plumbing (heating reserved). Owners are ready for sub-bids on all lines.

Residences (9), Elwood avenue and Philadelphia road, Baltimore, \$20,000. Architect,

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private plans. Owners, E. J. Gallagher Realty Co., Munsey Building, Baltimore. Brick, 2 stories, 13x44 feet, tin or slag roof,

steam heating, electric lighting. Owners are taking sub-bids on all lines.

Permits for New Buildings

Max Chapin (O and C), 2151 N. Franklin street. Cost, \$112,200. Forty-three dwellings, brick, 2 stories, hot water heating, slag roof, 15x27 feet, north side Wilmont street, east of Dilman street.

P. RR. Co. (O), Broad Street Station. L. H. Smith (C), Hale Building. Cost, \$14,260. Warehouse, 2 stories, brick, 50x50 feet, slag roof, steam heat, Laurel and Beach streets.

J. Makanshe (O and C), 4747 Milnor street. Cost, \$1,900. Dwelling, 2 stories, 14x25 feet, brick, slag roof, steam heat, 4747 Milnor street.

Chas. Galtz (O and C), 4265 North Second street. Cost, \$800. Garage, 2 stories, 25x15 feet, Bristol street.

Elmer Hampton (O and C), 12 W. Rockland street. Cost, \$20,300. Six dwellings, 2 stories, brick, 15x25 feet, slag roof, hot water heat, north side Westmoreland street. One store, 3 stories, brick, 15x38 feet, slag roof, hot water heating, northwest corner Westmoreland and Rosehill streets.

Carl Metz (O and C), 4907 N. Lawrence street. Cost, \$4,000. Two dwellings, 2 stories, 14x26 feet, gravel roof, hot water heating, north side of Rockland street, ?? of Fourth street.

W. A. Murdock (O), 6804 Green street. L. N. Kilselman (C), 125 E. Upsal street. Cost, \$6,800. Dwelling, 2 stories, brick, 43x42 feet, slate roof, steam heating.

Walter Dearden (O and C), 8329 Ridge avenue. Cost, \$4,800. Two dwellings, 2 stories, brick, 16x41 feet, tin roof, hot air, E. Hermitage street.

Mittleman & Fernstown (O and C), 2983 Araming avenue. Cost, \$101,300. Twenty-eight dwellings, 2 stories, brick, 15x28 feet, slag roof, hot water heating, west side of Tioga street.

Letes N. Brace (O), 2812 N. Twenty-fifth street. Walter Klepfer (C), 1327 Colywin street. Cost, \$12,500. Two dwellings, brick, slag roof, hot water heating, 3 stories, 26x39 feet, Medary avenue, west of Twelfth street.

Dergl & Wimmer (O), 906 Magee street. Michael Sterne (C), 910 Fanshaw street. Cost, \$11,300. Three dwellings, 2½ stories, brick, 16x40 feet, slate roof, hot water heating, Elberan and Wolfnagle streets.

George J. Babst (O), 3104 Higbee street. George W. Crasely (C), 2264 Bridge street. Cost, \$3,600. Dwelling, 2 stories, brick, slag roof, hot water heating, 16x46 feet, 3121 Higbee street.

John W. Sheet (O), Oak Lane. Harry H. Wehmeyer (C), 1004 W. Lehigh avenue. Cost, \$7,000. Dwelling, 3 stories, stone, 39x28 feet, shingle roof, hot water heating system, north side of Cheltenham avenue, 250 feet west of Seventh street.

Miscellaneous Construction News

Factory and Office, Wilmington, Del., \$65,000. Architect, John J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Wilmington, Del. Brick and steel, 6 stories, 195x40 feet, slag roof, steam heat, electric lighting, maple floors, (10) fire doors, elevators, iron stairs, metal lath, steel sash. Architect taking bids, due September 21st, at noon. In addition to those previously reported, John N. Gill & Co., Heed Building, and Bailey-Lush Co., 201 North Broad street, Philadelphia, are figuring.

Residence and Garage, Wilmington, Del., \$40,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, H. F. Brown, 800 Franklin street, Wilmington, Del. Hollow tile and stucco, fireproof, 2½ stories, 75x65 feet; garage, 1½ stories, 39x25 feet, tile roof (vapor heating, plumbing and electric work reserved), hardwood and tile floors. Plans in progress.

Post Office (alts. and add.), Huntington, W. Va. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, stone and hollow tile, 3 stories, 94x93 feet, composition roof, steam heating, electric lighting, tile and marble work, roof ventilators, metal weather strips, wire lath. Owners taking bids, due October 3d. Chas. McCaul Co., 1713 Sansom street, Philadelphia, is figuring.

Office and Factory, Wilmington, Del., \$65,000. Architect, John J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Wilmington, Del. Brick and steel, 6 stories, 195x40 feet, slag roof, steam heating, electric lighting, maple floors. (10) fire doors, elevator, iron stairs. Architect taking bids, due September 21st. The following are figuring: John E. Healey & Son, Ed. Bader, A. S. Reed & Bro., W. D. Haddock & Co., C. J. Dougherty, Joyce & Kerrigan, and Pyle & Stannard, all of Wilmington, Del.; Jacob Myers & Sons Co., Witherspoon Building; James H. Wells, Heed Building; Frank G. Steward, 1719 Sansom street; Hughes-Foulkrod Co., Commercial Trust Building; Foulkrod Co., Commercial Trust Building; Longacre Const. Co., Widener Building, Philadelphia.

Residence, Seventeenth street, Wilmington, Del. Architect, E. Cranley May, Dupon Building, Del. Owner, name withheld. Brick and stucco, 2½ stories, 45x30 feet, wing 20x16 feet, slate roof, electric lighting, hardwood floors, tile work, hot water heating. Plans in progress.

Apartment (alt. and add.), Sixth and Wash-

ington avenue, Wilmington, \$5,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wm. A. Hannigan, 1018 Gilpin avenue, Wilmington, Del. Brick, 3 stories, 16x60 feet, tin roof, steam heating, combination lighting, tile work, hardwood floors. Plans in progress.

Residence, 2605 Market street, Wilmington, Del., \$4,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Dr. Henry R. Spruance, Wilmington, Del. Brick and slate, 2 stories, 16x60 feet, slag and tin roof, hot water heating, combination lighting, hardwood floors, tile work. Revised plans in progress. Architect will be ready for bids September 20th.

Parish House, Wilmington, Del. Architect, E. James Dallett, Equitable Building, Wilmington, Del. Owners, St. Andrew's Episcopal Church, Rev. R. M. Trapnell, 910 Madison street, Wilmington, Del. Brick and terra cotta, 3 stories, 60x50 feet, slag roof, steam heating, electric lighting. Architect taking bids, due September 18th. The following are figuring: Ketcham & McQuade, 1029 Brown street; John E. Healy & Son, Ed. Bader, and W. D. Haddock & Co., all of Wilmington, Del.

Outside Toilet Buildings (3), Wilmington, Del. Architect, J. D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, Wilmington Steel Co., Wilmington, Del. Brick, 1 story, 27x19 feet, Carey roof, electric lighting. Contract awarded to J. A. Bader, Wilmington, Del.

Storage Warehouse, Wilmington, Del. Architect, J. D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, Security Storage and Warehouse Co., care W. B. Austin, 1404 Pennsylvania avenue, Wilmington, Del. Brick and concrete, 5 stories, 130x45 feet, slag roof, tile work, steel sash, fire doors (heating, electric work, elevators reserved). Contract for concrete work awarded to J. A. Bader & Co., Wilmington, Del. Contract for brick work awarded to Talley & Syfert, Wilmington, Del.

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Alterations and Additions

William Hamilton (O), 1126 West Cambria street. H. W. Myers (C), above Cheltenham avenue. Cost, \$3,300. Dwelling, 2-story rear addition, brick and frame, 125x165 feet, northeast corner Sumter and Weymanuth streets.

John Kirk (O), Princeton avenue and Keystone street. James Orr (C), 3532 Kensington avenue. Cost, \$1,125. Dwelling, 2-story brick addition, 14x16 feet, flush bulks, Princeton avenue and Keystone street.

C. J. Thompson (O), 6040 Walnut street. James B. Young (C), 6812 Lansdowne avenue. Cost, \$800. Dwelling, 2-story brick addition, 16x11 feet, slag roof, 6040 Walnut street.

John F. Fehn (O), 4142 Germantown avenue. Edward Atkins (C), 249 South Twenty-fourth street. Cost, \$2,000. Engine room, interior alterations, 4142 Germantown avenue.

Kohn & Greenburg (O and C), Morris Building. Cost, \$500. Rooming house, interior alterations, northeast corner Twenty-second and Walnut streets.

L. L. Moore (O), Land Title Trust Building. L. W. Colfelt (C), 1209 Walnut street. Cost, \$2,100. Six dwellings, brick, 2 stories, 16x52 feet, hot water heat, slag roof, Lamerville and Camac streets.

John McClathey (O and C), 848 Land Title Building. Cost, \$12,400. Two dwellings, stone, 3 stories, 37x26 feet, shingle roof, hot water heat, Fifty-second and Overbrook avenue.

Henry C. Messerule (O and C), 532 Righter street. Cost, \$9,000. Three dwellings, brick and stone, 2 stories, 16x49 feet, slate roof, hot water heat, south side of Walnut lane.

James Griffin (O and C), 9400 Frankford avenue. Cost, \$600. Greenhouses, 1 story, 20x30 feet, 9400 Frankford avenue.

B. M. Miller (O), 2619 South Sheridan street. Henry Neuman (C), 2539 South Buc-lah street. Cost, \$1,450. Store, interior alterations, Seventh and Porter streets.

Paver Weightman Co. (O), Ninth and Parrish streets. Monghan & Losse (C), 3016 Chestnut street. Cost, \$3,800. Office, 2 stories, 38x39 feet, slag roof, brick, north side of Ridge avenue, west of Calmut.

Alfred Clark (O and C), Thirty-fifth and Gray's Ferry road. Cost, \$1,500. Foundry, brick, 1 story, 15x25 feet, slag roof, Thirty-fifth and Gray's Ferry road.

M. Rudolph (O), 2031 Moyamensing avenue. J. Bender (C), 1814 South Fourth street. Cost, \$500. Store and dwelling, alterations, Fourth and Moore streets.

Giuseppe Guggino (O), 1119 Pierce street. John Ermilin (C), 1926 Jessup street. Cost, \$600. Dwelling, 2-story brick rear addition, 12x15 feet, slag roof, 1119 Pierce street.

Max Levin (O), 603 East Girard avenue. Burkelheh (C), 4608 Richmond street. Cost, \$2,400. Store and dwelling, brick, new flush bulk, 1 story, slag roof, 19x32 feet, repairs, 603 East Girard avenue.

John E. Allen (O and C), 1516 North Marshall street. Cost, \$400. Dwelling, interior alterations, 1516 North Marshall street.

Charles D. Smoot (O), west of Arbutus street. T. G. Slosek (C), 3519 North Thirtieth street. Cost, \$865. Dwelling, brick, 1 story, 12x14 feet, tin roof, west of Arbustus street.

E. H. Aspley (O and C), 1801 South Fifty-eighth street. Tenement house, new hot water heating system, alterations and repairs, 1515 West Gratz street.

Antonio Martinelli (O), 1734 South Eleventh street. John Palara (C), 710 Fitzwater street. Cost, \$500. Dwelling, 2-story rear addition, 12x12 feet, brick, slag roof, 1734

South Eleventh street.

Mrs. Landerberg (O), 1927 North Nineteenth street. A. H. Spenard (C), 822 Wood street. Cost, \$340. Store and dwelling, new double bulk, 149 North Eighth street.

G. X. Striffling (O), 2523 South Sixteenth street. John S. Kline (C), 3255 Woodland avenue. Cost, \$800. Residence, 1 story, frame, 10x12 feet, tin roof, flush bulks, 2446 South Twelfth street.

Marie Cupo (O), 251 East Rittenhouse street. N. Villecco (C), Williamstown, N. J. Cost, \$300. Store and dwelling, new flush bulks, 251 East Rittenhouse street.

William Weismann (O), 4802 Frankford avenue. M. Marstar Co. (C), 3931 North Fifth street. Cost, \$300. Shop, 1 story, steel portable, 12x16 feet, 4802 Frankford avenue.

Mrs. Sara Graham (O), 1849 North Second street. Jacob Gaestner (C), 2214 North Third street. Cost, \$765. Dwelling, interior alterations, 1849 North Second street.

Adam Stanger (O), 4659 Penn street. Remer & Byers (C), 4842 Hartshoren street. Cost, \$1,200. Dwelling, alterations and repairs, 4659 Penn street.

Charles Boger (O), 4832 R street. William F. Hetzel (C), 602 East Allegheny avenue. Cost, \$315. Dwelling, hot water heating system, 4832 R street.

Stephen Girard Estate (O), Philadelphia. Basch Co. (C), 1426 South Front street. Cost, \$1,500. Store, new flush bulk and repairs, 1115-17 Chestnut street.

Abrasive Co. (O), James and Fraley streets. James W. Wells (C), Heed Building. Cost, \$9,000. Storehouse, brick, 1 story, 38x126 feet, James and Fraley streets, Bridesburg, Pa.

Harry Seigel (O), 424 Mifflin street. Louis Cohen (C), 312 Kimball street. Cost, \$500. Dwelling, 2-story rear addition, brick, 12x12 feet, tin roof, 424 Mifflin street.

B. L. Carroll (O and C), 6102 Columbia avenue. Cost, \$2,400. Six garages, 1 story, brick, 12x17 feet, 30 feet south of Westminster avenue.

Charles Shuster (O), 5536 Chestnut street. Bush Hill Const. Co. (C), 2208 Brown street. Cost, \$1,100. Junk shop, 2-story addition, brick, 18x51 feet, 5536 Chestnut street.

L. Simons (O), 5431 Media avenue. Harry Carroll (C), 2419 South Seventy-third street. Cost, \$350. Store and dwelling, alterations, 5431 Media avenue.

Henry R. Smalley (O), 111 East Rittenhouse street. John Dear (C), 4544 Greene street. Cost, \$2,000. Factory, fire damage, 1 story, 25x75 feet, slag roof, 111 East Rittenhouse street, Germantown.

Jane Dietrich (O), Atlantic City. John Pfeifer (C), Riverside, N. J. Cost, \$1,545. Bath rooms (2), 8x7 feet, hot water heating and repairs, 1771 Frankford avenue.

John W. Terry (O), northeast corner Forty-sixth and Haverford. Warren Briscoe (C), 3954 Ludlow street. Cost, \$600. Store and dwelling, alterations and repairs, northeast corner Forty-sixth and Haverford.

Michael Lossenlino (O and C), 921 Catherine street. Cost, \$300. Dwelling, 3-story rear addition, brick, 9x12 feet, slag roof, 915 Catherine street.

William Gekaske (O and C), 439 Tasker street. Cost, \$1,500. Candy factory, fire repairs, 129 Christian street.

W. H. Nefferdorf (O), 2827 Germantown avenue. H. N. Greene (C), 990 North Marshall street. Cost, \$300. Store and dwelling, alterations and repairs, 2827 Germantown avenue.

Mrs. J. Nice (O), 30 East Washington lane. James H. Walters (C), 168 East Walnut lane. Cost, \$500. Dwelling, 2nd story, brick, 7x11 feet, tin roof, 30 East Washington lane.

Philadelphia Paper Co. (O), east side of Nixon street. Brown Const. Co. (C), 4600 Main street. Cost, \$3,100. Garage, brick, 1 story, 26x82 feet, concrete roof, east side of Nixon street.

Rev. J. J. Donnelly (O), 533 West Tioga street. M. L. Conneen (C), 7119 Woodland avenue. Cost, \$4,200. School building, 2-story rear addition, stone, 15x22 feet, slag roof, east side of Sixth street, north of Tioga street.

Joseph Nassaba (O), 4933 Wayne avenue. Charles Johnson (C), 5701 Boyer street. Cost, \$1,325. Dwelling, 2-story brick addition, 16x16 feet, tin roof, 4931 Wayne avenue.

Joseph B. Ross (O), northeast corner Upsal and Wissahickon avenue. Charles Johnson (C), 5701 Boyer street. Shed, frame, 1 story, 14x15 feet, northeast corner Upsal and Wissahickon avenue.

House of Good Shepherd (O), Thirty-fifth and Fairmount avenue. M. W. Kellogg Co. (C), 90 West street, New York. House, smoke stack, Thirty-fifth and Fairmount avenue.

Pennsylvania Trust Co. (O), 517 Chestnut street. John Duncan (C), 920 Market street. Cost, \$500. Theatre, repairs, Twelfth and Chestnut streets.

Mrs. Miller (O), 1743 North Sixteenth st. A. Raymond Raff Co. (C), 1635 Thompson st. Cost, \$350. Kitchen, brick, 1 story, 9x12 feet, 1743 North Sixteenth street.

C. Brumback (O), 6100 Jefferson street. T. Esbrosuwn (C), 1700 North Sixtieth street. Cost, \$300. Dwelling, repairs, 6100 Jefferson street.

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 8, 1916.—Sealed proposals will be opened in this office at 3 P. M., October 20, 1916, for the construction complete of the United States post office at Bayonne, N. J. Plans and specifications may be obtained from the custodian of site at Bayonne, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 7, 1916.—Sealed proposals will be opened in this office at 3 P. M., October 19, 1916, for the construction of the United States post office at Du Bois, Pa. Drawings and specifications may be obtained from the custodian of the site at Du Bois, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

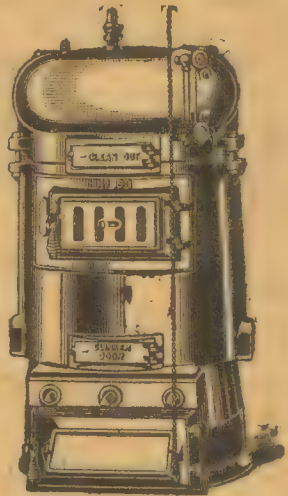
TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 15, 1916.—Sealed proposals will be opened in this office at 3 P. M., October 16, 1916, for library stack, glass floors, etc., in the building, Interior Department Offices, Washington, D. C., in accordance with drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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 Artesian Well Drilling Co.,
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 Frank C. Gillingham & Son Co.,
 Richmond and Norris sts., Phila.
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 Richmond and Norris sts., Phila.
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 Abram Cox Stove Co.,
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- Furnaces and Ranges.**
 Borden Stove Co.....118 N. 2d st., Phila.
 Abram Cox Stove Co.,
 American and Dauphin sts., Phila.
- Gas and Gas Appliances.**
 United Gas Improvement Co.,
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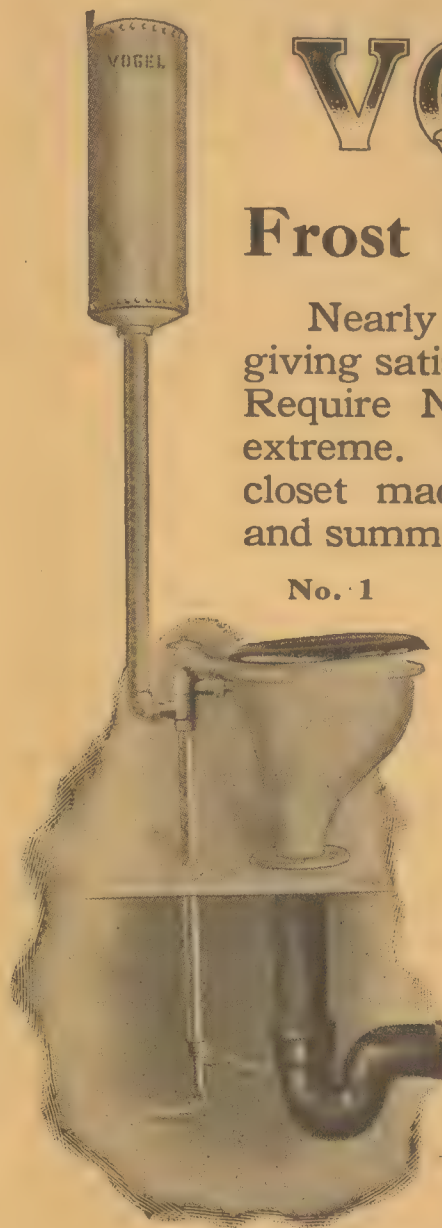
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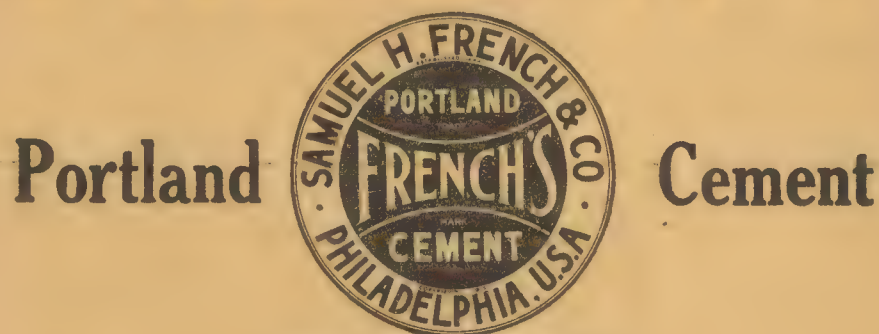
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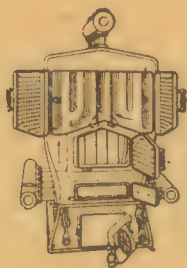
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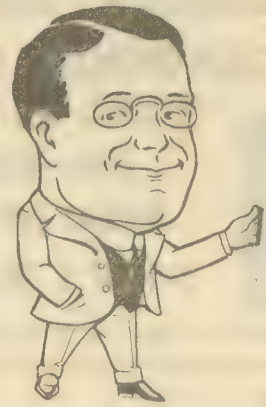
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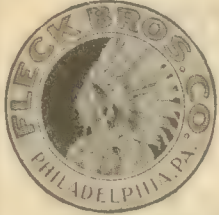
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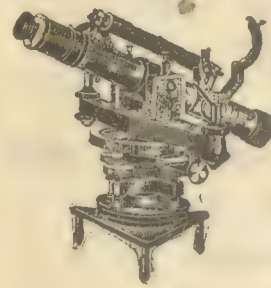
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BUILDERS' GUIDE

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VOLUME XXXI
Number 39

PHILADELPHIA
September 27, 1916



As The Editor Sees It



IN a circular of information and suggestion to persons contemplating building The Iowa Chapter of the American Institute of Architects embodies some very good advice to be taken by those who lack experience in dealing with "the building game." The chapter quoted is that dealing with "The Selection of the Architect" and some of the points it makes are these:

"After your architect is chosen rely upon him. Do not appeal to contractor or journeyman. Do not be stampeded by neighborly critics and advisers.

"Make up your mind what you must have, then take the architect into your confidence as to the amount you are willing or able to expend; be perfectly frank with him; either take what your money will pay for, or do not build.

"Do not hurry; be satisfied with the sketches before working drawings and specifications are made; and then make no changes without careful consideration and for good reason.

"Arrange every step beforehand in writing; pay fair prices; value for value the world over—you will get no more for your money than you pay for.

"Do business only with a suitable and honest contractor; you cannot get blood out of a turnip."

"Watch the work but do all business through your confidential adviser and supervisor, the architect, who is the master-builder; he alone should give orders to workmen.

"The contractor who comes to you with suggestions or to call your attention to real or fancied errors in the plans and specifications should be referred to the architect, to whom he should have gone in the first place. Make use of the architect's advice and avoid the chance of marring the whole with incongruous furnishings within and environments without; the mind that designed the building should be manifest throughout

"If you follow these few hints, in all, that they might imply, there is no reason, concludes the circular, "why your structure should cost you a cent beyond the estimated price, or why it should cause you more worry than buying a new suit of clothes."

* * *

PRETTY sound advice, we should say, even if it is from the Woolly West. Some of our contractor friends will be tempted to quibble, we know, with the statement that under any circumstances a given job may be done inside of the estimated cost. But then contractors are a case-hardened lot and we don't mind saying right here that the margin between the architect's estimate and the ultimate cost is seldom as bad as the contractor tries to make it. Most of the differences between estimate and final cost are brought about by extras due to changes made by the owner after work is under way. So that the advice of the Iowa Chapter to "arrange every step beforehand" is shrewdly reasoned. The building owner who knows definitely what he wants, communicates those wants in detail to his architect and then goes abroad or away fishing not to return until the work is completed seldom experiences any trouble about "extras." The chap who pays the freight on a cargo of extras is the fellow who either does not know or does not make clear to his architect just what he is after. This is the chap who "wants things done," not down in the original plans, after work is started and you may be sure he is made to pay for his lack of foresight. Not only in Iowa but elsewhere as occasional yawps in the pages of the investment magazines bear eloquent testimony.

* * *

AND in the beginning the Lord said Let there be light and there was light." That light was daylight and it is still the best of all light in spite

of thousands of years of effort to find a better illuminant. In the Clover Room at the Bellevue last week was assembled a body of men whose occupation in life is "making light of things." And a mighty serious occupation they find it as you'd be convinced had you been present to hear some of the discussions. These very sober-minded gentlemen constituted The Illuminating Engineering Society which held here its Tenth Annual Convention. Among the celebrities present were: The electrical wizard, Charles P. Steinmetz, of Schenectady; L. B. Marks, of New York City; Dr. Henry Phelps Gage, of the Corning Glass Works, Corning, N. Y.; C. J. Van Gleson and C. H. French, of the New Jersey Public Service Corporation; J. A. Orange, of the Research Bureau of the General Electric Company, of Schenectady; R. B. Chillas, Jr., of the National Carbon Company, of Cleveland, and a host of lesser satellites, or luminaries of inferior candle power, who talked light until the hearers were lost in darkness. It was altogether a delightful occasion. Lighting has become highly scientific. There was a time when the placing of the lighting fixtures was a but little regarded feature of planning. Not so today. With the immense improvement that has taken place in the artificial illuminants has come a closer and more intimate understanding of refractive agents, eye strain, economical diffusion and a host of minor phases of the lighting question that you would have to be an up-to-date architect or an illuminating engineer to fully grasp and comprehend. Lighting, in other words, has become a big subject.

* * *

SUPPLEMENTING certain observations in our last number on the subject of the shingle roof we are pleased to be able to quote the appended abstract from a bulletin by Herman Von

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Schrenk and Arnold Von Schrenk dealing with that subject.

"The conclusions so far reached indicate that several compounds are now available which, if properly applied to wooden shingles, will give a shingle roof a very high degree of fire resistance," remarks the Bulletin in question.

"These same compounds at the present time have every guarantee of permanence, so far as this can be determined from a chemical investigation. They are insoluble in water and give a roof a pleasing appearance.

"For interior work, or for such places where direct weathering is of secondary importance, a very considerable number of compounds can be recommended, ranging from good mineral paints to more expensive materials. The strongest emphasis should be placed on the statement that these results must be regarded as purely preliminary and that it will be absolutely essential to carry out some of the plans suggested before definite recommendations can be made as to the widely extended practical application of one or more of the substances investigated.

"The results certainly indicate that there is every probability that a number of substances will be not only practicable, but fairly cheap, which with simple directions can be applied by the ordinary house owner and give him a high degree of fire protection, whether on a roof or in a building. The time is here now when advantage should be taken of the facts so far ascertained by enlarging on the scope of the demonstration tests. When such enlarged determinations have been made, there will be no reason why the manufacturers of lumber should not go before the public with a perfectly definite and concrete statement as to what may be reasonably expected of their product when properly safeguarded."

* * *

IT is to be hoped that the lumber men, the manufacturers of shingle stains and related industries will not be guilty of the apathy shown by the brick interests in the face of competition at the hands of the concrete and cement industries. By the time the brick people had fully awakened to the real inwardness of the concrete propaganda, concrete had not merely "arrived" but had attained a degree of public favor from which brick has since labored in vain to dislodge it. The crusade of the metal roofing interests against the shingle and in a lesser degree against composition roofing can have but one result if nothing of a practical sort is done to meet and to combat it. It must, inevitably, drive the shingle roof out of the field. It means the ultimate pre-eminence of

the metal roof. Fire protection is the base of every argument. To meet it the shingle and the composition roofing must be made, if not fire-proof, at least fire retardant. And not only this, but this quality of non-inflammability must be emphasised and made plain in a widely circulated and consistent campaign of publicity.

* * *

RECENT numbers of the Journal of the American Institute of Architects, give some interesting and illuminating figures, carefully tabulated, of post office building appropriations from the last congress. These show several instances where the salaries of the employees exceed the postal receipts. In one instance, the postal receipts are \$10,972 and the salaries are \$16,992. In another, the receipts are \$10,681 and salaries \$13,900. In addition, instead of paying a rent of \$780 and \$1,140 respectively, the cost of operating the new building is \$3,500. What kind of thrift is this for Uncle Sam? Are the people to have no better guardians of their interests than these records show?

In a list of public building bills introduced into the sixty-fourth Congress, many villages with a population of 2,500 or less ask an appropriation of from \$50,000 to \$100,000 for post office buildings. In one southern state, five villages of 500 inhabitants or less ask for \$75,000 post office buildings. In the face of this rank record of lavish extravagance, the people are asked and required to make up deficits by excess taxation. Are we to continue to be thus imposed upon?

A gleam of public spirit has appeared in a mid-western city which contemplates the rejection of an appropriation, now before Congress, for \$100,000, which would only remodel and furnish up an old building, adding a few offices; awaiting the time when the money could be spent advantageously, on a new building, which will soon be required. Here is the spirit of the true homebuilder and may there be more of them.

* * *

HENRY WELLINGTON WACK, who as Executive Adviser handled the very successful celebration of Newark's 250th anniversary, wrote for the committee in charge of that enterprise an article on "The Fellowship of Cities." One of the chapters of this much-discussed article deals with "The Psychology of Publicity." It is so very good in its way that we are moved to quote it at some length.

"The psychology of publicity is interesting. It sometimes achieves the impossible," says Mr. Wack. "It is the subtlest influence that is agitating the world to-day. Publicity is as big a

factor in the European war as ammunition. After all, a bullet or a shell reaches a small mark as compared with the written word and its impact upon the minds and hearts of million of readers. All the belligerents are fighting a campaign in printers' ink, as much as in blood upon the heights and plains of Europe. They want to win public approval by creating public opinion, and they know that heroism afield amounts to little in national fame unless all the world can read about it. Publicity instructs public opinion, it guides it for good or ill.

"Social intercourse that is left to chance environment seldom yields anything of worth. It is drifting through life and accepting its tips like an itinerant eking out his inane existence. But social intercourse, intelligently sought and directed, is invariably a means of self-development and a material increase of self-values. Not your value to yourself alone, but your value to society, to your profession, your business, your family, your city, State and country, rises in just that ratio in which you embrace and intelligently direct an enlightened social, civic and industrial intercourse. This is not an age of independence, but one of interdependence.

"Reduce this to the terms of the new science and you have publicity; in other words, an affirmation of your desirability as a citizen, a business or professional factor in your sphere. Hide yourself, shrink from your fellow man, sneak through the byways when the broad open road buzzes with the traffic of mankind and your chances of getting anywhere are about as great as a submarine's would be on a mountain.

"Nature is the greatest of advertisers. She produces nothing which does not maintain its publicity department. Her flowers have perfume of infinite variety to lure that which fertilizes them into further fecundity; to proclaim their presence to bee, bird and insect life. They have color by which they may be distinguished, and some have luminous attributes at night.

"That is intelligent floral publicity, not an accident."

* * *

THE vegetable family is a persistent advertiser, and no one would say that the onion or garlic were very modest advertisers. The zoo, of course, has some advertisers which ought to be suppressed, but that is not pertinent here.

"The city that hopes to thrive in aloofness from other cities will ossify. Arteriosclerosis will deaden it. It must make itself and its products known. Talking amongst ourselves is not the kind of publicity that propels us anywhere.

"The modern attitude toward virtue, beauty, genius, talent, wealth, desirable

possessions and achievements is, that if these be unknown, unemployed and unheralded, they are of no material value in the sum of human endeavor. A potential Shakespeare, a Newton or a Lincoln may sit beside us any day in a street car; a cure for cancer and poverty's panacea may lie unused within our grasp. Without the revelations of publicity these great men, and this boon to the afflicted, are lost to mankind."

* * *

THE moral is that it pays to advertise. It pays the individual, it pays the corporation, it pays the municipality. The Emersonian idea that a man might live in a wood and thrive if he

were able to produce an article of merit no longer holds true. Let your merits be what they may, the world as at present constituted will never beat a track to your door unless those merits are proclaimed and made known of men. We are living in an age of mighty voices. It is not wisdom in such an age to expect great or notable results from the voice that is not heard at all or but seldom heard, or so feebly heard as to make its message a thing of doubt and misunderstanding.

It not only pays to advertise. There can be no permanent success built on any foundation but advertising. Publicity is as indispensable as the air we breathe.

EDITORIAL NOTES

Definite increases are reported on numerous lines, such as builders' hardware, hinges, butts and other wrought goods, and also on sash, cord, rope and other goods based on cotton. Manufacturers and merchants quite generally expect a good business for the rest of the year, while there are well-informed buyers who are placing orders six months ahead, and in some cases twelve months hence.

* * *

The Russell & Irwin Mfg. Company have withdrawn prices on all of its lines of builders' hardware, with a few exceptions, and are issuing new prices showing advances of approximately 10 per cent.

The Reading Hardware Company has also withdrawn many of its prices on builders' hardware and similar lines. New discount sheets will be ready for distribution as soon as they can be prepared, showing advances of about 10 per cent.

* * *

The new marble pulpit at the Cathedral of St. John the Divine is the most elaborately carved of any in the world. John Evans & Son of Boston were the carvers and Henry Vaughn of Boston was the architect.

* * *

The George A. Fuller Company will finish the Lincoln Memorial at Washington a year ahead of the contract time. The design is an adaptation of a Grecian temple and is being worked out in marble at a cost of \$2,590,000, from plans by Henry Bacon of New York. The same contractor is moving rapidly with the Arlington Amphitheatre at Washington. to cost \$750,000, from plans of Carrere & Hastings of New York.

* * *

It is not difficult to account for the new demand for high-cost apartment houses. The lessee of a \$25,000 suite in

one of the new houses on Fifth avenue will save \$50,000 a year by becoming a tenant instead of continuing to live in his own big house. He has said that the apartment will give him everything that his \$1,500,000 residence provides. The yearly cost of maintaining an old-style private house on Fifth avenue comprehends figures so large that this style of city living has reached the limit of its popularity, especially when compared with the alternative of a flat in the same neighborhood, plus a place in the country for the summer, for a smaller annual expenditure that is needed for the town house. Yet, for many families a town house in some good neighborhood will always be indispensable.

* * *

Between 1866 and 1893 real wages in this country rose more than 100 per cent. in industry and 70 per cent. in agriculture, according to government statistics. At the end of the Civil War wages rose and prices fell, and for a period workmen were better off than ever before in the history of the country. Since 1883 there has been a steady rise in the cost of commodities, and since 1903 in the rate of wages paid in organized trades. Unorganized workers in the cities, owing to the higher living costs, and the greater unemployment, are on the average less well off proportionately than they were ten and twenty years ago.

* * *

Delegates from the nine commercial organizations comprising the Philadelphia Joint Committee on the Reasonable Regulation of Railroads met yesterday in the Bourse to formulate the joint body's course of action in the congressional investigation of railroad regulation and to make further plans to crystallize a national sentiment for exclusively Federal regulation of the railroads. The

meeting was called by Malcolm Lloyd, Jr., chairman of the joint committee.

* * *

There was a meeting of export managers last night in the assembly room of the Philadelphia Chamber of Commerce for the purpose of discussing and threshing out export matters and to plan for the general uplift of the individual exporter and the general business of the city and port. Dr. E. E. Pratt, chief of the United States Bureau of Foreign and Domestic Commerce, addressed the meeting on "Co-operation."

* * *

The Wentworth Institute, Boston, is about to add to its courses of instruction one on practical concrete work, having for its object the training of young men for the work of concrete foremen and contractors. The Institute has set aside one of its best laboratory rooms for this course and is fitting it up with modern testing machinery and other necessary equipment. The first sessions began Monday, September 18.

* * *

N. B. Kelly, general secretary of the Philadelphia Chamber of Commerce, will tend the convention of the National Association of Commercial Organization Secretaries in Cleveland this week, representing the Philadelphia chamber.

* * *

The Ph. Van Ommeren Corporation of 42 Broadway, have made numerous investigations in regard to the economical conditions and industrial markets in the Netherlands and the Scandinavian countries. They are in a position to advise American producers desiring to secure foreign trade, as to the markets and shipping conditions.

BUILDERS' GUIDE

FORMERLY

The Philadelphia Real Estate Record
and Builders' Guide

PUBLISHED WEEKLY

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Packing and Sales House, 827 Callowhill street, Philadelphia. Architects, private plans. Owners, Wilson & Co., care Mr. Starr, 139 North Delaware avenue, Philadelphia. Concrete, steel and brick, 4 stories, electric lighting. Plans in progress. Too early for details.

Office Building, Wissahickon avenue, south of oberts avenue. Architect, Thos. B. Lippincott, Stephen Girard Building, Philadelphia. Owners, Midvale Steel Co., Widener Building, Philadelphia. Brick, reinforced concrete and terra cotta, 6 stories, 170x50 feet, slag roof, steam heating, electric lighting, composition, concrete and mastic floors, metal lath. Owners have received bids.

Residences (19), Sixty-eighth avenue, Sydenham and Fifteenth streets, Philadelphia. Architect, private plans. Owner, John F. Zeh, Fifteenth and Haines streets, Philadelphia. Brick, stone and stucco, 2 and 3 stories, 16x57 feet, 16x46 feet, and 16x56 feet, slate roofs, combination lighting, tile work, hardwood floors (heating reserved). Owners is taking sub-bids on all lines.

Residence (alt. and add.) and Garage, 4207 Walnut street. Architects, Newman & Harris, 1123 Broadway, New York City. Owner, Joseph H. Reilly, 4538 Chestnut street. Brick, plaster and terra cotta, 3 stories, tile roof, electric lighting, oak floors, metal weather strips, cabinet work, tile work (plumbing and heating reserved). Architects have received bids.

Police Station (alt.), 32d District, Sixty-fifth and Saybrook avenue. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Wm. H. Wilson, Director, City Hall. Consists of reinforced concrete manure box. Owners taking bids, due September 27th, at noon. The following are figuring: W. W. Anstine & Co., 1218 Filbert street; John L. Connor, 1319 Arch street; Drehmann Pav. Co., 2622 Parrish street; F. S. Markland, 1502 Sansom street; Mitchell Bros., 2125 Race st.; John H. Jordan, Thirty-first and Oxford sts.; Gaffney Const. Co., 1927 Poplar street; E. C. Durell, 1713 North Twenty-fourth street; Wm. Morrow, 320 Harmony street.

Recreation Building, Berks, Blair and Palmer streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Education, City Hall. Brick, 1 story, 261x80 feet, consists of swimming pool, dressing rooms and iron fences, asbestos shingle and slag roofs, proposal bonds (electric work and plumbing separate bids). Owners have received bids.

Recreation Building, Twenty-fourth and Jackson streets. Architect, Philip H. Johnson, Land Title Building. Owners, City of Philadelphia, Board of Recreation. Brick, 1 story, 69x181 feet, asbestos shingle and slag roof, proposal bond (electric work and plumbing separate bids). Owners have received bids.

Recreation Building, Sixteenth and Wyoming streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building. Owners, City of Philadelphia, Board of Education. Frame, 1 story, 2x24 feet, asbestos shingle roof, proposal bond (electric work separate bids). Owners have received bids.

Factory (add.), Tioga, Philadelphia. Architect, private plans. Owner, name withheld. Brick, 2 stories, 99x60 feet, slag roof, electric lighting, concrete floors, steel sash, elevator.

I. T. Shoemaker, 1324 Walnut street, taking sub-bids, due September 25th.

Factory (alt.), 615-29 N. Fifth street. Architect, private plan. Owners, Victor Gas Fixture Co., 18 South Seventh street, Philadelphia. Brick, 2 stories, consists of general interior alterations, steam heat, electric lighting, cement floors. Owner will sub-let all contracts.

Store (alt.), 223-27 Arch street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Ellen C. Butler, 1527 Spruce street, Philadelphia. Brick, 5 stories, 55x90 feet, slag roof, steam heating, electric lighting, metal sash, elevator and interior alterations. Architect has received bids.

Store and Apartments (alt. and add.), south east corner Broad and Poplar streets. Architect, Chas. E. Oelschlager, Harrison Building. Owner, Wm. Conner, on premises. Brick, 3 stories, 24x60 feet, slag roof, steam heating, electric lighting, tile work. Revised plans in progress.

Bridge, Margie street, Philadelphia. Engineers, Bureau of Surveys, City Hall. Owners, City of Philadelphia, City Hall, Philadelphia. Concrete, 60x100 feet. Owners have received bids.

Stores (2), 1304-06 Columbia avenue. Architect, Geo. S. Idell, 34 South Seventeenth st., Philadelphia. Owner, Mrs. Tillie K. Daut, care architect. Brick, 3 stories, 32x59 feet, slag roof, steam heating, electric lighting, hardwood floors, tile work. Architect has received bids.

School (wing), Twenty-seventh and Clearfield streets. Architect, Horace Cooke, Nineteenth above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut st. Completion of present contract started, by Henry L. Brown, New Amsterdam Casualty Co., Finance Building, has received bids.

Garage, 1714-6 W. Venango street, Philadelphia. Architect, private plans. Owner, Jas. Hilliard, 1710 W. Venango street, Philadelphia. Brick, 1 story, 42x115 feet, slag roof. Plans in progress.

Service Building, Broad and Wood streets, Philadelphia. Owners, Packard Motor Car Co., L. J. Eastman, manager, 216 North Broad street. Architects, Kahn & Wiley, Detroit, Mich. Brick, concrete and steel and terra cotta 8 stories, 185x70 feet, slag roof, electric lighting, metal sash. Plans in progress. Architects will take bids in about one week.

Garage, Kensington, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, name withheld. Brick, 1 story, 60x102 feet, slag roof, steam heating, electric lighting, cement floors, gasoline storage system. Preliminary plans in progress.

Factory, southwest corner Swanson and Clymer streets. Architect, private plans. Owner, L. B. Botfield, 624 South Front street, Philadelphia. Brick, 2 stories, 38x50 feet and 20x55 feet, slag roof (electric lighting, gas and steam heating reserved by owner), cement and pine floors. Owner is taking approximate bids. Smith-Hardican Co., 1606 Cherry street, is figuring.

Store Buildin (alt. and add.), 4055-57 Lancaster avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, W. J. McCormack, on premises. Brick, 2 stories, addition, 20x72 feet, slag roof, electric lighting (heating reserved). Architect taking bids, due October 2d, at noon. Lam Building

Co., 1001 Wood street; J. T. Vanderberry, 5302 Pemberton street; J. D. Fisher, 5713 Market street; Warren E. Biscoe, 3954 Ludlow street; Metzger & Fisher, Denckla Building; Smith-Hardican Co., 1606 Cherry street, and Niemeper & Wallace, Weightman Building, are figuring.

Stores and Apartments (alt. and add.), 5340 Germantown avenue, \$1,500. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, John F. Conlin, 12 W Willow Grove avenue. Brick and stone, 2½ stories, 18x90 feet, hot water heating, combination lighting. Plans about completed. Will take bids in a few days.

Garage, Germantown avenue and Duval st., Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, John F. Conlin, 12 W. Willow Grove avenue. Brick, 1 story, 80x105 feet, slag roof, steam heating, electric lighting, cement floors, gasoline storage system. Plans in progress.

Mill Building (alts. and add.), 2706 North Hancock street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, A. Turkington, on premises. Stone and brick, 3 stories, addition, 30x22 feet, slag roof, steel sash, steam heating, plumbing, elevator, pine floors. Plans about completed. Owners will take bids in one week.

Hospital, 1822 Spring Garden street, Philadelphia. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Philadelphia College of Osteopathy, 832 Pine street, Philadelphia. Brick and concrete, 3 stories, 50x110 feet. Plans in progress. Too early for details.

Playground (shot tower), Front and Carpenter streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Education, City Hall. Consists of brick piers, iron fence, concrete and granite coping and granolithic paving. Owners taking bids, due September 26th, at noon. Wm. E. Mundy, 228 South Alder street, is figuring.

Residence (alt. and add.) and Garage, 4200 Walnut street. Architects, Cowan & Harris, 1123 Broadway, New York City. Owner, Jos. H. Reilly, 4538 Chestnut street. Brick, plaster and terra cotta, 3 stories, tin roof, electric lighting, oak floors, metal weather strips, cabinet work, tile work (plumbing and heating reserved). Architects taking bids (revised), due September 25th. In addition to those reported, Jas. H. Wells, Heed Building, is figuring.

Store and Apartments (alt. and add.), south east corner Broad and Poplar streets. Architect, Charles E. Oelschlager, Harrison Building. Owner, Wm. Conner, on premises. Brick, 3 stories, 24x60 feet, slag roof, steam heating, electric lighting, tile work. Revised plans in progress.

Bridge, Margie street, Philadelphia. Engineers, Bureau of Surveys, City Hall. Owners, City of Philadelphia, City Hall, Philadelphia. Concrete, 60x100 feet. Owners have received bids.

Stores (2), 1304-06 Columbia avenue. Architect, George S. Idell, 34 South Seventeenth street, Philadelphia. Owner, Mrs. Tillie K. Daut, care of architect. Brick, 3 stories, 32x59 feet, slag roof, steam heating, electric lighting, hardwood floors, tile work. Architect has received bids.

School (wing), Twenty-seventh and Clearfield streets. Architect, Horace Cooke, Nineteenth above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut street. Completion of present contract started by Henry L. Brown, New Amsterdam Casualty Co., Finance Building, has received bids.

Factory, Twenty-eighth and Fletcher sts., Philadelphia. Architect, Fredk. T. Uezzell, 147 North Third street, Philadelphia. Owner, Wm. Cohlman & Son, Inc., 2522 Dauphin st., Philadelphia. Brick, 3 stories, 55x110 feet, slag roof, steam heating, electric lighting, concrete floors, elevator, fire doors, steel rolling doors, ventilators. Plans about completed. Architect will be ready for bids in a few days.

Residences (12), Sixty-seventh and Elmwood avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Stoltz & Maloney, Sixty-sixth and Elmwood avenue. Brick, 2 stories, 16x32 feet, slag roof, hot water heating, electric lighting, hardwood floors. Plans completed. Owners are ready for sub-bids on all lines.

Store (alt.), 223-27 Arch street, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Ellen C. Butler, 1527 Spruce street, Philadelphia. Brick, 5 stories, 55x90 feet, slag roof, steam heating, electric lighting, metal sash, elevator and interior alterations. Architect has received bids.

Bakery (alt. and add.), Twenty-fourth and Hamilton streets, Philadelphia. Architect not yet selected. Owners, Parkway Baking Co., George J. Conly, treasurer, on premises. Work contemplated in near future.

Residence (alt. and add.), 334 Gowen avenue, \$1,500. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, E. W. Jenkins, on premises. Consists of general interior alterations. Plans completed. Architect ready for bids in a few days.

Residences (40) and Garages (4), Third and Fisher's avenue. Architects, Durham Bros., Heed Building, Philadelphia. Owners, Schlossberg & Cohen, Ann and Aramingo streets, Philadelphia. Brick, 2 stories, 14x47 feet, slag roof, hot water heating, combination lighting, hardwood floors, tile work. Owners will take sub-bids in about three weeks.

Apartment House, 4010 Walnut street, Philadelphia. Architect, private plans. Owner, A. Lynn Walker, Stoneleigh Court, Philadelphia. Stone, 4 stories, 100x84 feet, steam heating, slag roof, electric lighting, hardwood floors. Plans in progress.

Residences (16) and Garages, Third and Ashland streets. Architect, private plans. Owner, Cloyde A. Schuler, 1342 Wagner st., Philadelphia. Brick, 2 stories, 16x34 feet, slag roof, hot water heating, combination lighting, pine floors. Owner will take sub-bids in two weeks.

Hospital (Sun Parlors) (alt. and add.), Thirty-fourth and Pine streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Philadelphia General Hospital, City Hall. Brick and frame, 2 stories, 78x35 feet, slag roof,

steam heat, electric light, pine floors, metal weather strips, proposal bond. Lowest bidders, Standard Const. Co., Drexel Building.

Loft Building, Sixth and Filbert streets, Philadelphia. Architect, private plans. Owners, Hale & Kilburn Manufacturing Company, Eighteenth and Lehigh avenue. Brick, steel, reinforced concrete and terra cotta, 8 stories, 200x90 feet, slag roof, vacuum heating, electric lighting, cement and maple floors, steel sash, fire doors, rolling steel shutters, marble and tile work, elevators, sprinklers. Owners are taking bids. F. W. Mark Const. Co., Finance Building, are figuring.

Residence, Stanton avenue and Graver's lane, Chestnut Hill. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Percival Drayton, 34 West Graver's lane, Chestnut Hill. Hollow tile and plaster, 2½ stories, 28x38 feet, 10-foot wing, slate roof, hot air heating, hardwood floors. Plans in progress.

Factory Buildings (alt. and add.), Second and Columbia avenue. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Keystone Spinning Mills Co., on premises. Brick, steel and reinforced concrete, 4 stories, slag roof, composition and concrete floors, metal lath, fire doors, steel sash, safety treads (power plant, elevators, heating, lighting and sprinkler system reserved). Architects taking bids, due October 4th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; Barclay White & Co., Perry Building; Harrison C. Rea Co., 1027 Wood street; F. B. Davis, 240 North Sixteenth street; George & Borst, 277 South Eleventh street; Thomas C. Trafford, 1613 Sansom street; James H. Wells, Heed Building.

Garage, Forty-third to Forty-fifth streets and Woodland avenue. Architect, private plans. Owner, W. S. P. Shields, Witherspoon Building, Philadelphia. Brick, 1 story, 237x192 feet, slag roof, steam heating, cement floors. Plans in progress. Jacob Myers & Sons Co., Witherspoon Building, are taking approximate bids, due September 26th.

Store Building (alt. and add.), 4055-57 Lancaster avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, W. J. McCormack, on premises. Brick, 2 story addition, 20x72 feet, slag roof, electric lighting (heating reserved). Architect taking bids, due October 2nd at noon. In addition to those previously reported, Bailey-Lush Co., 201 North Broad street, Philadelphia, are figuring.

Twin Residences (4), St. Martins, Philadelphia, \$35,000. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, shingle roofs, hot air heating, electric lighting, pine floors, tile work. Architect taking bids, due September 30th. The following are figuring: Wm. J. Gruhler & Co., 219 East High street; Thomas Little & Son, 1713 Moravian street; John E. Walt, 204 East Willow Grove avenue; Pringle Borthwick, 8018 Germantown avenue; Frederick Elridge & Son, 5522 Germantown avenue.

and electric work reserved by owners). Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

Stable (alt. and add.), Chestnut Hill, Pa., \$3,000. Architects, Karcher & Smith, 34 S. Seventeenth street, Philadelphia. Brick, 1½ stories, 18x50 feet, shingle roof, electric lighting, cement floors, new stalls. Contract awarded to J. S. Cornell, Land Title Building, Philadelphia.

esidence (alt. and add.), Bryn Mawr, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Thos. D. Wood, Bryn Mawr, Pa. Refrigeration room, brick. Contract awarded to R. C. Ballinger & Co., 219 North Thirteenth street.

Barn (alt. and add.), Newtown Square, Pa., \$15,500. Architects, Stewardson & Page, 318 Walnut street, Philadelphia. Owners, Dunwood Home, Newtown Square, Pa. Stone, 1 story, 31x120 feet, slate roof, concrete and cork brick floors. Contract awarded to R. J. Ballinger & Co., 218 North Thirteenth street.

Garage, 108 Gowen avenue, Philadelphia, \$800. Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Owner, T. Y. Olsen, on premises. Stone, 2 stories, 20x20 feet, composition roof, hot water heating, electric lighting. Contract awarded to McClintock & Weaver, 24 Phil-Elena street.

Residences (30), Forty-seventh and Sansom streets, Philadelphia. Architect, private plans. Owner, Nathan Raidman, 5208 Walnut street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner taking sub-bids on all lines.

Machine Shop, Ruth and Cambria streets, Philadelphia, \$6,000. Architect, Geo. H. Thirsk, Frankford, Philadelphia. Owners, Walker & Davis, 2765 Kensington avenue, Philadelphia. Brick, 1 story, 100x75 feet, slag roof, electric lighting, steam heating, cement floors. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

Residence and Garage, Eleventh street, north of Sixty-sixth avenue, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, Frank A. Boyer, 2082 E. Cumberland street, Philadelphia. Stucco, 2 stories, 49x35 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors, wire lath. Contract awarded to Rush Bros., 1100 Fillmore street.

Lumber Shed (add.), Tulip and Bleigh sts., Philadelphia, \$2,000. Architect, private plans. Owners, Schwarz Wheel Co., Margaret street and P. RR. Brick and timber, 1 story, 72x72 feet, composition roof. Contract awarded to P. E. Sax, Heed Building, Philadelphia.

Store (alt.), 1230 Columbia avenue, Philadelphia, \$500. Architect, private plans. Owner, Conrad Busch, care builders. Consists of new bulk and interior alterations, marble work, electric lighting. Contract awarded to Elfreth & Co., 1708 Sansom street.

Garage, southwest corner Thirty-eighth and Chestnut streets, \$25,000. Architect, private plans. Owner, A. J. Sanders, Land Title Building, Philadelphia. Brick, 1 story, 60x150 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to Alex. Chambley, 243 South Tenth street, Philadelphia.

Store and Dwelling, 1832 North Thirty-first street, Philadelphia. Architect, B. J. Medoff, 584 Walnut street, Philadelphia. Owner, Louis Koltz, 1843 North Thirty-first street, Philadelphia. Brick and steel, 3 stories, 32x60 feet, slag roof, hot water heating, electric lighting, cabinet work, safety treads, damp-proofing. Contract awarded to Morris Bakat, 1540 North Sixth street, Philadelphia.

Store Building, 2132 Market street, \$8,500. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Mrs. Hortense L. Becker, 2307 North Park avenue, Philadelphia. Brick and terra cotta, 2 stories, 15x125 feet, slag roof, steam heating, electric

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Restaurant, Twelfth and Simpson streets, Eddystone, Pa. Architects, Globe Realty Co., Eddystone, Pa. Owners, Victoria Restaurant, Eddystone, Pa. Brick, 2 stories, 20x50 feet, slag roof, steam heating, electric lighting. Contract awarded to S. M. Mahjoubian, Eddy-

stone, Pa.

Factory, Marcus Hook, Pa., \$35,000. Architect, private plans. Owners, Benzol Products Co., Marcus Hook, Pa. Brick and steel, 2 stories, 120x60 feet, cement tile roof, cement floors, steel sash, fire doors (heating, plumbing

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lighting. Contract awarded to Thos. M. Seeds, Jr. Co., 1207 Race street, but not yet signed.

School (alt. and add.), Main and Coulter streets, \$3,800. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, Germantown Friends School, on premises. Brick and rough cast, 1 story, 36x36 feet, slate and asbestos roof, terrazzo floors. Contract awarded to . C. Ballinger & Co., 218 North Thirteenth street.

Residence, Wissahickon avenue, between Cliveden and Upsal streets. Architects, Lawrence Visscher Boyd, Harrison Building, Philadelphia. Owner, J. Morgan Lister, 5612 Germantown avenue. Stone and brick, 3 stories, 60x30 feet, wing 20x30 feet, shingle roof, hot water heat, electric light, tile work, hardwood floors. Contract awarded to Charles Johnson, 5701 Boyer street, Germantown.

School (add. 2 wings), Eighth and Lehigh avenue, \$332,815. Architect, J. Horace Cook, Nineteenth above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut street. Brick and stone, 3 stories, 60x200 feet each, composition roof, metal lath, concrete floors, roof ventilators (heating, plumbing and electric work separate bids). Contract awarded to Thomas Reilly, 1616 Thompson street.

Garage, Fifty-ninth and Media avenue, Philadelphia. Architect, Harry Parker,

Drexel Building, Philadelphia. Owner, Wm. H. Purdy, Swanson and Christian streets, Philadelphia. Brick, 2 stories, 78x100 feet, slag roof (hot air heating, electric light, plumbing and gasoline storage system reserved). Contract awarded to J. D. Fisher, 5718 Market street.

Office Building, 529 Chestnut street, \$50,000. Architects, A. M. Adams, 1012 Walnut street, and Wallace & Warner, Real Estate Trust Building, Philadelphia. Owners, Girard Life Insurance Co., Drexel Building, Philadelphia. Stone, brick and steel, 2 stories, 24x100 feet, slag roof, steam heating, electric lighting, metal lath, marble and tile work. Builders Wm. Steele & Sons, 1600 Arch street, will take sub-bids on all lines in about two weeks.

Bottling House (alt.), Thirty-second and Master streets, \$7,000. Architect, private plans. Owners, Bergner & Engle Brewing Co., on premises. Brick, consists of general interior alterations. Contract awarded to E. E. Hollenback, Fifteenth and Race streets.

Residences (2), Cliveden avenue, near Wissahickon avenue. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, John A. Seeds, Upsal street and Wissahickon avenue. Stone and brick and plaster, 2½ stories, 32x54 feet each, slate roofs, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to W. O. Springer, 1624 Latimer street.

PENNSYLVANIA Construction News

Residence, St. Martins, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Carl A. Ziegler, Bailey Building, Philadelphia. Stone, 2½ stories, 30x80 feet, electric lighting, slate roof, hardwood floors, tile work, hot water heating. Architect has received bids.

Hotel, Third and Walnut streets, Harrisburg, Pa., \$1,000,000. Architect, not yet decided. Owner, E. Z. Wallower. Too early for details.

School, Newtown, Bucks Co., Pa. Architect, Edwin F. Bertolett, 1614 Cherry street, Philadelphia. Owners, School Board of Newtown, Newtown, Pa. Brick and stone, 2 stories, 66x76 feet, slate roof (heating not de-

cided), electric lighting. Plans completed. Architect ready for bids in a few days.

Church, School, Rectory and Convent, Drexel Hill, Pa. Architect, Geo. I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Andrew's R. C. Church, care Rev. J. M. MeShane, Drexel Hill, Pa. Stone and brick, 3 stories, and 2 stories, and 1 story, slate roofs, steam heating, electric lighting. Plans in progress. Too early for details.

Pier and Bulkhead, Chester, Pa. Engineer, Geo. L. Skolfield, Chester Shipbuilding Co., Chester, Pa. Owners, Chester Shipbuilding Co., Ltd., Chester, Pa. Wood, pier 60x400 feet; bulkhead, 650 feet long. Owners taking bids, due September 30th.

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Residence (alt.), Pelham, Pa. Architect, Geo. T. Pearson, 427 Walnut street, Philadelphia. Owner, Mr. Snyder, Pelham, Pa. Consists of new bay windows. Plans completed.

Residence, Willow Grove, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, W. Haslan, Jr., Willow Grove, Pa. Frame and shingles, 2 stories, 34 x 22 feet, shingle roof, hot water heating, electric lighting, hardwood and tile floors. Architect has received bids.

Apartment House, Bloomsburg, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Doctor John, Bloomsburg, Pa. Brick, 3 stories, 16x50 feet, slag roof, electric lighting. Owner is taking bids.

Lodge Building, Chester, Pa. Architect, not yet selected. Owners, Larkin Lodge No. 78, Knights of Pythias, Chester, Pa. Contemplate building at once. Committee will be appointed next week.

Office Building, Ivy Rock, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Alan Wood Iron & Steel Co., Conshohocken, Pa. Stone, brick, reinforced concrete and terra cotta trimmings, 3 stories, 112x47 feet, slag roof, steam heating, electric light, maple, oak and granolithic floors, metal lath, steel sash, tile and marble work, elevator, fire doors (plumbing, heating and electric work reserved). Architects taking bids, due September 29th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; R. C. Ballinger, 216 North Thirteenth street; Barclay White Co., Perry Building; Roydhouse-Arey Co., Fidelity Building; James H. Wells, Hedd Building; Turner Concrete Steel Co., H. E. Baton, Twelfth and Sansom streets; F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Club House, Ardmore, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Woman's Club of Ardmore, Pa. Hollow tile, plaster finish, 1 story, 43x100 feet, slate roof, terra cotta and cut stone, cement and concrete work, tile work. Architect has received bids.

Bungalow, Glenside, Pa. Architect, R. H. Pepper, 1808 North Seventh street, Philadelphia. Owner, Andrew J. Weakley, Glenside, Pa. Frame, 1½ stories, 26x44 feet, asbestos shingle roof, hot air heating, electric lighting, pine floors. Architect has received bids.

Freight House and Office, South Bethlehem, Pa. Architect, Samuel T. Wagner, Reading, Terminal, Philadelphia. Owners, Phila. & Reading Railway Co., Reading Terminal. Brick, concrete and steel, 2 and 1 story, 30x230 feet, slag roof, hot water heating, electric lighting, pine floors, metal lath, rolling steel shutters, steel sash, metal lockers. Owners

taking bids, due September 29th. Roydhouse-Arey Co., Fidelity Building; John H. Wiggins Co., Inc., Heed Building; F. W. Van Loon, Denckla Building; H. E. Baton, Twelfth and Sansom streets; Chas. McCaul Co., 1713 Sansom street; Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; A. L. Carhart, Hale Building; F. A. Havens & Co., 845 North Nineteenth street; Bailey-Lush Co., 201 North Broad street, Philadelphia, are figuring.

Terra Cotta Plant, Kennett Square, Pa. Architect, not yet decided. Owner, Jacob P. Castle, Lansdale, Pa. Brick, 2 stories, slag roof, steam heating, electric lighting, concrete floors. Contemplate building at once.

Manufacturing Buildings, Essington, Pa. Architect, private plans. Owners, Westinghouse Electric & Mfg. Co., West Pittsburgh, Pa. Brick, steel and reinforced concrete. Plans in progress. Too early for details.

Residence and Store, Eddystone, Pa., \$5,000. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, name withheld. Brick, 2 stories, 20x50 feet, slag roof, hot air heating, combination lighting. Plans completed. Architect will be ready for bids in a few days.

Residence, Washington lane and Church road, Wyncote, Pa., \$50,000. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owner, Walter C. Janney, 133 South Fourth street, Philadelphia. Stone, 2½ stories. Plans in progress. Too early for details.

Store and Apartments, Edgemont avenue, between Third and Fourth streets, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. C. Taylor, Cambridge Trust Building, Chester, Pa. Brick, terra cotta, 3 stories, 20x68 feet, slag roof, electric lighting, hardwood floors, tile work. Architect and owner are taking bids. The following are figuring: Hogg Const. Co., 1634 Sansom street; Smith Hardican Co., 1606 Cherry street, Philadelphia; Nolan Bros., H. Lewis Morris, Wm. Provost and Wm. Ward, all of Chester, Pa.

Post Office, Du Bois, Pa. Architect, J. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, steel and concrete, 2 stories, irregular, 90x105 feet, composition roof, steam heating, electric lighting, concrete and pine floors, metal lath, dampproofing, safety treads, marble and terrazzo work, metal weather strips. Owners taking bids, due October 19th. Chas. McCaul Co., 1713 Sansom street, Philadelphia, is figuring.

Bridge, over Lebanon Valley Branch, P. & R., east of Sheridan, Pa. Engineer, R. J. Lawrence, 525 E. Gates street, Roxborough,

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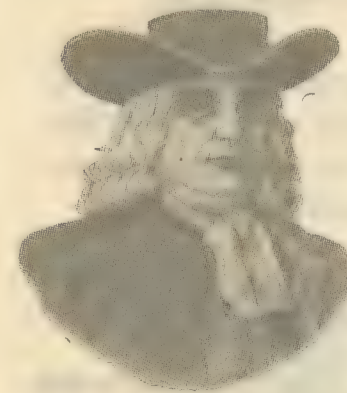
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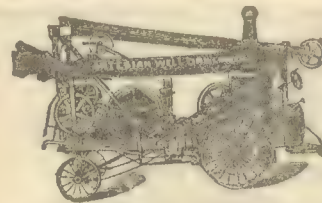
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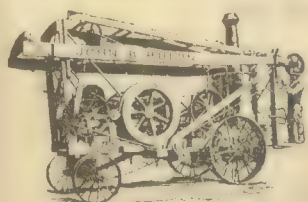
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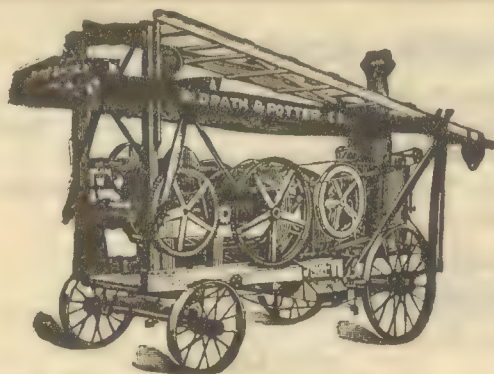
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Philadelphia. Owners, Womelsdorf, Richland & Myerstown Electric Street Railway Co., Womelsdorf, Pa. Reinforced concrete and steel, 13 feet wide x 135 feet long. Owners taking bids. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Residence and Garage, Glenside, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owner, Harry E. Binder, 5131 North Fifteenth street, Philadelphia. Stone and plaster, 2½ stories, 42x50 feet, hot water heating, electric lighting, hardwood floors. Plans about completed. Architects will take bids in about two weeks.

Garage, Eddystone, Pa. Architect, private plans. Owners, Dempsey Bros., Eddystone, Pa. Brick or hollow tile, 2 stories, 140x45 feet. Plans in progress. Too early for bids.

Residences (67), Eddystone, Pa. Architect, private plans. Owners, Homemakers Realty Co., care S. H. Adelman, Eddystone, Pa. Brick, 2 stories, 15x48 feet, slag roofs, hot air heating, combinatoin lighting, tile work. Owners are ready for sub-bids on all lines.

Factory (add.) and Power House, Clifton Heights, Pa. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Caledonia Woolen Mills, Clifton Heights, Pa. Brick and concrete, 1 and 2 stories, slag roof, steam heating, electric lighting. Owners will sub-let all contracts.

Residence, Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Clarence L. Weiner, Lebanon, Pa. Brick and hollow tile, 2½ stories, 77x53 feet, asbestos roof, steam vapor heating, electric lighting, hardwood floors, tile work. Architect has received revised bids.

School, Birdsboro, Pa., \$18,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, D. Hunter Watts, secretary. Brick, hollow brick, 1½ stories, 91x60 feet, composition roof, hot air heating, maple floors, metal lath, fire doors, slate blackboards, dampproofing. Revised plans in progress.

Bungalow, Bethlehem, Pa., \$6,000. Architects, Jacoby & Weishample, Bethlehem, Pa. Owner, A. W. Roberts, Bethlehem, Pa. Frame and brick, 1½ stories, 35x48 feet, shingle roof, hot water heating. Plans completed. Ready for bids.

Church, Langhorne, Pa. Architect, Thos. Stephen, Camden, N. J. Owners, Bethlehem A. M. E. Church, Rev. Frank Bradley. Stone and limestone trim, 1½ stories, 49x55 feet, slate roof, steam heating, electric lighting. Owner is taking bids.

Residence and Garage, Gulph Mills, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Gulph Mills Golf Club, Gulph Mills, Pa. Stone and frame, 2½ stories, 32x36 feet; wing, 12x14 feet; garage, 1 story, frame and stucco, 19x23 feet, shingle roof, vapor heating. Architect taking revised bids, due September 29th. Alfred James, Bala, Pa., and Alfred Noblit, Conshohocken, Pa., are figuring.

Residence, St. Martins, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Carl A. Ziegler, Bailey Building, Phil-

adelphia. Stone, 2½ stories, 30x80 feet, electric lighting, hardwood floors, tile work, slate roof, hot water heating. Architect has received bids.

Foundry, Troy, Pa. Engineer, Fletcher Thompson, Inc., Bridgeport, Conn. Owners, Troy Engine and Machine Co., Troy, Pa. Brick, reinforced concrete, hollow tile and terra cotta, 1 story, 144x80 feet, composition roof (heating and lighting reserved), cement floors, roof ventilators, rolling steel doors, safety treads, fire doors, iron stairs. Owners taking bids, due September 28th. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

Garage and Apartments, Bethlehem, Pa., \$20,000. Architect, A. P. Schultz, Bethlehem Trust Building, Bethlehem. Owner, A. Weiper, Broad street, Bethlehem, Pa. Hollow tile, 2½ stories, 55x106 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, fire doors, ventilators, sprinkler system. Owner ready for bids.

Church, Penn Argyl, Pa., \$25,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, First Presbyterian Church, Penn Argyl, Pa. Stone and terra cotta, 1 story, 90x56 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect ready for bids.

Residence, South Bethlehem, Pa., \$8,500. Architect, A. W. Leh, South Bethlehem, Pa. Owner, N. M. Emery, South Bethlehem, Pa. Hollow tile and plaster, 3 stories, 38x39 feet, slate and shingle roof, hardwood floors, hot water heating, electric lighting. Plans in progress.

Residence (alt. and add.), Bethlehem, Pa., \$3,000. Architect, A. P. Schultz, Bethlehem, Pa. Owner, Dr. A. D. Rau, Bethlehem, Pa. Brick, 36x72 feet, slate roof, hardwood floors, hot water heating. Plans in progress.

Moving Picture Theatre, Bethlehem, Pa. (2), \$8,000 each. Architect, A. P. Schultz, Bethlehem, Pa. Owner, James P. Wiskeman, New York City. Brick, 1 story, 41x118 feet and 41x100 feet, slag roof, steam heating, electric lighting, waterproofing, concrete floors. Plans in progress.

Residence (alt. and add.), Bethlehem, Pa., \$3,000. Architect, A. P. Schultz, Bethlehem, Pa. Owner, Guy Collins, Bethlehem, Pa. Brick and frame, 2 stories, slate roof, hot water heating, electric lighting. Plans in progress.

Residences (2), Bethlehem, Pa. \$1,000 each. Architect, private plans. Owners, Marcus & Goodwin, Bethlehem, Pa. Hollow tile and stucco, 2 stories. Preliminary plans in progress.

Residence, Bethlehem, Pa., \$4,000. Architects, Jacoby & Weishample, Bethlehem, Pa. Owners, Foering & Heller, Bethlehem, Pa. Brick, 2½ stories, 20x52 feet, slate roof, electric lighting, hot water heating. Plans in progress.

Garage (alt. and add.), Reading, Pa., \$15,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owners, Heydt Motor Car Co., Mr. Heydt. Brick, steel and reinforced concrete, 2 stories, 50x96 feet, slag roof, steam heating, electric lighting, reinforced concrete floors, waterproofing and

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dampproofing. Revised plans in progress.

Store (add.), 647 Penn street, Reading, Pa. Architect, Alex. T. Smith, 1029 Penn street, Reading, Pa. Owner, Ellis Mills, Reading, Pa. Brick, 1 story, 32x94 feet, slag roof, steam heating, electric lighting, hardwood floors, metal lath, waterproofing and damp-proofing, fire doors. Architect taking bids. Charles Schlegel, Daniel H. Hunter, both of Reading, Pa., are figuring.

Residences (2), 1322-24 Pricetown road, Reading, Pa., \$7,000. Architect, private plans. Owners, Houck & Sherman, on premises. Brick, 2 stories, 24x38 feet, tin roof, hot air heating, gas lighting. Owners are sub-letting all contracts.

Residence, Pottsville, Pa., \$15,000. Architect, H. J. Maurer, Reading, Pa. Owner, Thomas Pepper, Pottsville, Pa. Brick and stone trim, 2½ stories, 52x52 feet, slate roof, hot water heating, combination lighting, tile work, hardwood floors. Architect taking bids, due October 2nd. G. Nagle, C. Messersmith, Wertley & Son, Wm. Dietrich and O. J. Are-good, all of Pottsville, Pa., are figuring.

Gargares (8), Ritter and West Windsor streets, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Kemmerer & Zezhman, Reading, Pa. Brick and reinforced concrete, 1 story, 117x0 feet, composition roof, electric lighting, concrete floors, waterproofing. Architect taking bids. Daniel H. Hunter, Reading, Pa., is figuring.

Club House, Lebanon, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, B. P. O. E., No 63,

H. G. Louser, chairman, Lebanon, Pa. Brick, stone and steel, 2½ stories, 50x125 feet, composition roof, steam heating, electric lighting, tile and hardwood floors, waterproofing. J. H. Greiner and Harry Buffameyer, both of Lebanon, Pa., are figuring.

Garage, Pottstown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. C. Rath, Pottstown, Pa. Brick, 1 story, 20x22 feet, composition roof, electric lighting, cement floors. Ready for bids in one week.

Bank, Quakertown, Pa. Architect, William C. Furber, 416 Walnut street, Philadelphia. Owners, Quakertown Trust Co., Quakertown, Pa. Brick and limestone, 1 story, 51x56 feet, steam heat, cement tile roof. Architect has received sub-bids.

Freight House and Office, South Bethlehem, Pa. Architect, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Brick, concrete and steel, 1 and 2 stories, 30x230 feet, slag roof, hot water heating, electric lighting, pine floors, metal lath, rolling steel shutters, steel sash, metal lockers. Owners taking bids, due September 29th. In addition to those previously reported, Warren-Moore Co., Widener Building, Philadelphia, are figuring.

Residence and Garage, Merion, Pa. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, Paul A. Monaghan, Drexel Building, Philadelphia. Stone and plaster, 2½ stories, 41x64 feet, slate roof, electric lighting, oak floors (heating reserved). Revised plans in progress.

PENNSYLVANIA

Contracts Awarded

Residence (alt. and add.) Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, H. D. Levan, Reading, Pa. Brick, 2 stories, 14x12 feet, tin roof, electric lighting. Contract awarded to Wm. Gaul, Reading, Pa.

Garage, 1104-06 North Tenth street, Reading, Pa., \$7,000. Architect, private plans. Owner, Wm. Bentz, on premises. Brick, 2 stories, 45x100 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to Wm. R. Fromm, Reading, Pa.

Dwelling, Glenside, Reading, Pa., \$3,000. Architect, private plans. Owner, Wm. Filbert, Reading, Pa. Brick, 2 stories, 29x24 feet, hot air heating, gas lighting. Contract awarded to Harry A. Heckman, Reading, Pa.

Chapel and Parochial School, Wyomissing, Pa. Architects, Muehlenberg Bros., Reading, care Monsignor Borneman. Brick, 2½ stories, 58x92 feet, slate roof, steam heating, electric lighting, Saums preservative. Contract awarded to Beard Const. Co., 658 Penn street, Reading.

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Masonic Home, Womelsdorf, Pa., \$6,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Williamson Lodge, No. 307, Charles P. Shaffer, chairman. Brick, 3½ stories, 40x56 feet, tin roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Adam P. Spatz, Wernersville, Pa.

Parochial School, Northampton, Pa., \$35,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, St. Mary's R. C. Church, Rev. B. Sommer. Brick, 3 stories, 72x68 feet, slag roof, steam heating, electric lighting, waterproofing and dampproofing. Contract awarded to Wm. H. Gangewere & Co., Allentown, Pa.

Office Building, South Bethlehem, Pa., \$35,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, Bethlehem Foundry and Machine Co., South Bethlehem, Pa. Brick, terra cotta and steel, 6 stories, 44x52 feet, slag roof, steam heating, electric lighting, hardwood and tile floors, elevators, steel vaults, waterproofing and dampproofing. Contract awarded to George Nirdinger, Bethlehem, Pa.

Garage, Rydal, Pa., \$4,000. Architects, Dubring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Charles E. Melnes, Rydal, Pa. Frame, 1½ stories, 35x45 feet, shingle roof, cement and pine floors (plumbing, heating and electric work reserved by architects). Contract awarded to J. B. Flounders, 1329 Arch street, Philadelphia.

Residences (2), Yeadon, Pa., \$10,000. Architect, private plans. Owner, Theodore C. Presser, 1712 Chestnut street, Philadelphia. Stone, 2½ stories, shingle roof (heating re-

served), electric lighting, pine floors, tile work. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Theatre and Stores, Chester, Pa., \$150,000. Architects, Hoffman & Co., Finance Building, Philadelphia. Owner, J. Fred Zimmerman, Hotel Bellevue-Stratford, Philadelphia. Brick, terra cotta, concrete and steel, 2 stories, 120x200 feet, composition roof, steam heating, electric lighting, metal lath, fire doors, waterproofing. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

School, Whitpain Township, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, School Board of Whitpain Township. Stone, terra cotta, brick and hollow tile, 2 stories, concrete floors (plumbing, heating, electric work and water

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NEW JERSEY Construction News

Factory Buildings, Codwise avenue, New Brunswick, N. J. Architects, Ballinger & Perrot, 1701 Arch street, Philadelphia. Owners, Ringwalt Lenoleum Co., on premises. Brick and concrete, addition to printing and drying shop, 2 wings, 255x28 feet, 3 stories; shipping and storage building, 1 story, 240x38 feet; felt storage building, 1 story, 125x73 feet; reservoir, 1 story, 72x32 feet; employees building, 1 story, 24x19 feet; oil ceiling house, 1 story, 60x30 feet; addition, brick and galvanized iron, slag roofs, cement and wood floors, waterproofing, roof ventilators, fire doors, rolling steel shutters, kalamein doors. Architects taking bids, due September 29th, 9 A. M., New York office, John Thatcher & Son, Brooklyn, N. Y. The following are figuring: H. E. Baton, Twelfth and Sansom street; Armstrong & Latta, Land Title Building; Pomeroy Const. Co., 1609 Ransstead street, Philadelphia; David Henry Building Co., Newark, N. J.; Fred Kilgus, Newark, N. J.; Sullivan & McNally Co., Patterson, N. J.; J. J. O'Leary Co., Passaic, N. J.; Starrett & Gross, New York City, are figuring.

Factory, Sixth and Bryon streets, Camden, N. J. Architect, private plans. Owners, Wood Mfg. Co., Camden, N. J. Brick, 2 stories, 80x34 feet, slag roof, steam heating, asphalt floors, steel sash, fire doors (electric work reserved). Owner is taking bids, due September 29th. Elfretth & Co., 1708 Sansom street, Philadelphia, is figuring.

Residence, Mantua avenue and Glassboro road, Wenonah, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, R. H. Comey, Wenonah, N. J. Brick, 2½ stories, 55x47 feet, shingle roof, hot water heating, electric lighting (plumbing, electric

system separate bids). Lowest bid submitted by Wm. L. Hampton, Pottstown, Pa., \$18,300.

Residences and Garages (2), Chester, Pa., \$23,500. Architect, Andrew C. Berzner, 721 Walnut street, Philadelphia. Owner, Robert Wetherill, Chester, Pa. Stone and hollow tile, 2½ stories, slate roof, hot water heat, electric lighting, hardwood floors, tile work. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Silk Mill, Hazleton, Pa., \$80,000. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Louis Roessel & Co., Hazleton, Pa. Brick, 4 stories, 58x200 feet and 27x40 feet, proposal bond, slag roof, roof ventilators, fire doors, steel sash (heating, plumbing and electric work reserved). Contract awarded to Hogg Const. Co., 1634 Sansom street, Philadelphia.

work and tile work reserved). Architect taking bids, due September 28th. Wm. Wrixford, Camden, N. J., and Jos. B. Best, Woodbury, N. J., are figuring.

Sunday School, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owners, Moorestown Presbyterian Church, Moorestown, N. J. Stone, 1 story, slate roof, vapor heating, electric lighting. Architect taking bids, due October 4, 1916. The following are figuring: Stewart L. Haines, Moorestown, N. J.; Geo. Bachman, Camden, N. J.; J. S. Rogers, Moorestown, N. J.; Geo. W. Shaner & Son, Palmyra, N. J., and Martin T. James, Merchantville, N. J., are figuring.

Residence and Garage, Fairton, N. J., \$20,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner, Joseph Shoemaker, care of architects. Hollow tile and stucco, 2½ and 1½ stories, 60x32 feet and 25x30 feet, shingle roof (heating and plumbing reserved), electric lighting, hardwood and tile floors, waterproofing. Revised plans in progress. Will take bids in about one week.

Store and Residence (alt.), 836 S. Fourth street, Camden, \$3,000. Architect, Thomas Stephen, Camden, N. J. Owner, Pasquale Rapini, Camden, N. J. Consists of general alterations, electric lighting. Owner is taking bids.

Residence, Richards avenue and Beach, Ventnor, N. J., \$8,000. Architects, Smith & Henedrer, Sheen Building, Atlantic City. Owner, Thomas Sheen, Sheen Building, Atlantic City, N. J. Frame and shingle, 2 stories, 32x40 feet, slate roof, steam heating, combination lighting, hardwood floors, tile work. Architects are ready for bids.

Garage, New Jersey avenue and Beach, At-

Buy pure lime, 99% pure, no core, no grit. DAVID FRANCE CO.,
Tasker Street Wharf, Delaware River, Phila. Both 'phones.

Atlantic City, \$10,000. Architects, Smith & Henderer, Atlantic City, N. J. Owners, Hotel Breakers, Charles R. Meyers, on premises. Brick or hollow tile, 1 story, 50x100 feet, reinforced concrete, slag roof, steam heating, electric lighting, concrete floors, storage gas tank. Plans in progress.

Sea Wall, Jetties and Wall, Longport, N. J., \$300,000. Engineers, Case Coast Protection Corporation, New York City. Owners, Borough of Longport, care of Mayor Harecourt. Reinforced concrete, wall 6090x16 feet, promenade 6090x14 feet, jetties 300x6 feet, 3045 reinforced concrete pilings, concrete hardner. Plans about completed. Owners will be ready for bids in about one week.

Residence and Garage, Princeton avenue and Beach, Ventnor, \$15,000. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City. Owner, J. M. Mauser, Ventnor, N. J. Brick and stucco, 3 stories, 34x44 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors, tile porch floors, cabinet work, dampproofing. Architect taking bids, due October 12th. Hampton Bros., Harry Scull and Ellsworth Smith, all of Atlantic City, N. J., are figuring.

Residences (3), Buffalo avenue and Ventnor avenue, Ventnor, \$12,000. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City, N. J. Owner, W. I. Hart, Risley's Hotel, Atlantic City, N. J. Frame, 2 stories, 24x36 feet, slate roof, hot water heating, combination lighting, tile floors. Owner will take bids.

Residence, 139 South Delancey Place, Atlantic City, \$18,000. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City, N. J. Owner, Mrs. M. C. Calif, Atlantic City, N. J. Brick and stucco, 3 stories, 36x52 feet, green slate roof, hot water heating, electric lighting, tile work, hardwood floors, 6 baths, 5 fire places, dampproofing. Architect taking bids. Ellsworth Smith, Atlantic City, is only bidder.

Apartment (alt. and add.), 19 South Virginia avenue, Atlantic City. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City. Owner, S. G. Dobbins, 16 South Tennessee avenue, Atlantic City. Frame, 3 stories, 20x75 feet, slag roof, electric lighting, tile floors (hot water heating reserved). Architect taking bids. H. G. Scull, E. Ellsworth Smith, Charles S. Carson, Biddle & Saner and George Piefer, all of Atlantic City, are figuring.

Garage, North California avenue, Atlantic City, N. J., \$10,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic

City. Owners, Wheeler & Dreher, Atlantic City, N. J. Reinforced concrete and brick, 1 story, 50x80 feet, slag roof, steam heating, electric lighting, cement floors, dampproofing. Architects are ready for bids.

Post Office, Woodbury, N. J. Architect, James A. Wetmore, Supervising Architect, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Owners taking bids, due October 31st, 1916. Plans may be obtained from custodian of site at Woodbury or from Supervising Architect, Washington, D. C.

Church (alt. and add.), Atlantic City, \$25,000. Architects, Smith & Henderer, Atlantic City, N. J. Owners, Chelsea Baptist Church, Rev. T. J. Crewes. Stone and brick, 1½ stories, 65x75 feet, slate roof, steam heat, electric lighting, cork tile and oak floors, waterproofing and dampproofing. Will take bids in a few days.

Hotel and Pier, Ocean City, N. J., \$600,000. Architects, Headley & Shull, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick and plaster, Caen stone finish, 8 stories, 200x100 feet, 3 wings, 100x35 feet, 100x40 feet, 100x40 feet, hardwood floors, composition floors, tile work, slag and tile roof, steam heating, electric lighting, 2 concrete and brick fire towers, fire doors, safety treads, dampproofing, cabinet work, skylights, marble work, artesian well, storage water tank. Plans in progress.

Apartment, 114 South Pennsylvania avenue, Atlantic City, N. J., \$150,000. Architect, J. Ogden, Atlantic City, N. J. Owner, J. R. O'Reiley, Atlantic City, N. J. Brick, reinforced concrete, terra cotta, cut stone, g½ stories, 108x115 feet, slag roof, hot water heating, electric light, tile work, hardwood floors, cabinet work, refrigerators, vacuum system, electric elevators, metal sash, marble work, circulation hot water system, fire escapes. Architect taking bids. Charles Thompson, Taylor & Sons and Samuel Headley, all of Atlantic City, N. J., are figuring.

High School, Cape May, N. J., \$40,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Board of Education, Cape May, N. J. Brick, stone trim, 2 stories, 104x110 feet, slag roof (heating, electric work and plumbing separate bids), iron stairs, safety treads, kalamein doors, slate blackboards. Plans in progress.

Store and Apartments, 1225 Arctic avenue, Atlantic City, \$8,000. Architect, private plans. Owner, Sarah Miller, on premises. Brick, 3 stories, 23x60 feet, slag roof, hot water heating, combination lighting. Owner will take bids.

hardwood floors, tile work. Contract awarded to Hampton Bros., Atlantic City, N. J.

Apartment, Massachusetts and Calloway avenues, Atlantic City. Architect, B. Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, Dr. Phillip I. Marvel, Atlantic City, N. J. Brick and stone trim, 4 stories, 90x43 feet, slag roof, asbestos shingle roof, hot water heating, electric lighting, tile work, hardwood floors, waterproofing, marble work. Contract awarded to P. G. Hannum, Atlantic City, N. J.

Miscellaneous Construction News

Round House, West Alexandria, Va. Architect, private plans. Owners, Southern Railway Co., Washington, D. C. Reinforced concrete, 20 stalls, slag roof, steel sash. Owners have received bids.

Dormitory Building, Newark, Del. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Delaware State College, Newark, Del. Brick and marble, 3 and 4 stories, 30x150 feet, slate roof, fireproof, metal lath, steam heating (plumbing, heating, electric work, tile work, interior marble and exterior marble, terra cotta partitions, roofing and flooring separate bids). Architects taking revised bids. R. S. Ballinger & Co., 213 North Thirteenth street, and Pomeroy Const. Co., 1609 Ranstead street; Doyle & Co., 1519 Sansom street, are figuring.

Church (alts.) and Sunday School, Staunton, Va., \$50,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, First Presbyterian Church, Staunton, Va. Stone, 2 stories and basement, 70x82 feet, slate roof. Plans in progress.

Residence, Wilmington, Del. Architect, Edward Canby May duPont Building, Wilmington, Del. Owner's name withheld. Brick and stucco, 2½ stories, 23x45 feet, slate roof, hardwood floors (heating and lighting reserved), metal lath. Plans completed. Architect will be ready for bids in one week.

Residence, Wilmington, Del. Architect, Edward Canby May, duPont Building, Wilmington, Del. Owner, Ralph Stidham, Wilmington, Del. Brick, stone and frame, 2½ stories, 24x30 feet, shingle roof, electric lighting. Owner is taking bids.

Service Building, Eleventh and King sts., Wilmington, Del. Architect, Leon Wilde Crawford, Wilmington, Del. Owners, Delaware Motor Sales Co., Wilmington, Del. Brick, steel and plaster, 1 story, 120x122 feet, slag roof, electric lighting, concrete and oak floors, metal lath, roof ventilators (plumbing, heating and electric fixtures reserved by architect). Architect taking revised bids, due September 29th. Pomeroy Const. Co., 1713 Sansom street, Philadelphia, are figuring.

Miscellaneous Contracts Awarded

Machine Shop, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owners, Electric Hose and Rubber Co., Wilmington, Del. Brick, 1 story, 30x210 feet, composition roof, electric lighting, wood block floors, metal sash. Contract awarded to John E. Healy & Sons, Wilmington, Del.

Apartment House, Wilmington, Del., \$23,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner,

NEW JERSEY

Contracts Awarded

Store and Cold Storage Warehouse, Bridgeton, N. J., \$10,000. Architects, Custer & Seltzer, Camden, N. J. Owner, Wm. Verlisky, Bridgeton, N. J. Brick and steel, 2½ stories, 64x63 feet, slag roof, steam heating, electric lighting, composition floors, elevator, fire doors, refrigerating system. Contract awarded to H. H. Hankins, Bridgeton, N. J.

Ice Storage House, Seaside Heights, N. J., \$15,000. Architect, private plans. Owners, Barnegat Ice Mfg. Co., Seaside Heights, N. J. Frame, 1 story, 50x75 feet, slag roof. Contract awarded to Herman Voight, 1231 North Twenty-eighth street, Philadelphia.

Glass Factory, Glassboro, N. J. Architects,

The De Vere-McGormley Co., Toledo, Ohio. Owners, Whitney Glass Works, Glassboro, N. J. Brick, concrete and steel, 1 story, 410x254x222x94 feet, and 62x187 feet, cement tile roof, metal sash, roof ventilators, wood block floors, heating, plumbing, electric work and sewage disposal system separate bids). Contract awarded to James Stewart Co., New York City.

Residence, Atlantic City, N. J. Architect, Druckenmiller & Williams, Land Title Building. Owner, Mahlon W. Newton, Eighth and Chestnut streets, Philadelphia. Hollow tile, brick and plaster, 2½ stories, 34x83 feet, slate roof, hot water heating, electric lighting,

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.
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Max Bruer, Wilmington, Del. Brick, 4 stories, 75x65 feet, slag roof, steam heating, electric lighting. Builders, Vansant Co., Wilmington, Del., are taking sub-bids on all lines.

Garage and Apartments, Wilmington, Del. Architect, Edward Canby May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick and stucco, 2 stories, 25x46 feet, shingle roof, hot water heating, electric lighting, waterproofing and dampproofing. Contract awarded to W. Howard May, 1014 Rodney street, Wilmington.

Residence and Garage, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington. Owner, Dr. Harold Springer, 1013 Washington street, Wilmington. Hollow tile and brick, 2½ stories, 110x30 feet, shingle roof, vapor heating, electric lighting, tile and hardwood floors. Contract awarded to John E. Healy & Sons, Wilmington, Del.

Offices in Du Pont Building, Wilmington, Del. Architect, E. James Dallett, Wilmington, Del. Owners, Laird & Co., Wilmington, Del. Consists of new partitions, ventilating system, pneumatic system. Contract awarded to W. D. Haddock & Co., 803 Orange street, Wilmington, Del.

School (Clark Annex), Cleveland, Ohio, \$225,000. Architect, W. R. McCormick,

Ohio. Owners, School Board, City of Cleveland, Ohio. Brick, concrete, fireproof, 3 stories and basement, 80x183 feet, slag roof, steam heating, electric lighting (plumbing and heating separate bids). Contract awarded to James H. Wells, Heed Building, Philadelphia.

Residence, Great Neck, L. I., \$100,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Henry Phipps, 727 Fifth avenue, New York City. Brick and plaster, marble trimmings, fireproof, 2½ stories, 232x56 feet, slag roof, copper and tile roof, steam heating, concrete floors, metal lath, marble and tile work (electric work and cabinet work reserved). Contract awarded to Geo. A. Fuller Co., 949 Broadway, New York City.

Hotel, Baltimore, Md., \$700,000. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Southern Hotel Co., Baltimore, Md. Reinforced concrete, steel, granite, terra cotta, fireproof, 16 stories, 92x148 feet, concrete, slag and tile roof, steam heating, electric lighting, marble floors, tile work, fire doors, metal lath, metal columns, damp-proofing (heating and electric work reserved). Contract awarded to Lonacre Const. Co., Widener Building, Philadelphia.

on all lines.

Residences (5), Springdale avenue, Baltimore, \$12,000. Architect, John R. Forsythe, 232 St. Paul street, Baltimore. Owner, Francis E. Yewell, 2845 North Calvert street, Baltimore. Frame, 2½ stories, 30x41 feet, shingle roof, electric lighting. Owner will take sub-bids on all lines.

Home and Boiler House, Pen Lucy avenue, east of Old York road. Architects, Baldwin & Pennington, 330 North Charles street, Baltimore. Owners, St. Elizabeth's Home, 317-19 St. Paul street, Baltimore. Brick, 3 stories, 265x169 feet and 63x53 feet, slate and tin roof, cement and concrete work, fire escapes, dumb waiter, metal ceiling, tile, marble, plastering, ventilators, fireproofing (heating, electric lighting and plumbing reserved). Contract awarded to James J. O'Connor, 427 East Lexington street, Baltimore.

Ovens, Sparrows Point, Md., \$2,000,000. Architect, private plans. Owners, Bethlehem Steel Co., South Bethlehem, Pa. Concrete and brick. Contract awarded to H. Coppers Co., Pittsburgh, Pa.

Permits for New Buildings

Michael A. Dessalano (O), 526 Christian street. Dominic Deno (C), 515 Christian street. Cost, \$4,000. Dwelling, 3 stories, brick, 20x33 feet, slag roof, hot water, 428 Christian street.

Davidson & Sebleman (O and C), 808 Snyder avenue, Thirty-eighth dwellings, 2 stories, brick, 16x47 feet, slag roof, hot water heat, south side Wister street, north of Sharp lane.

Wm. H. Deckert (O), 3465 Hartville street. Cost, \$8,600. Three dwellings, brick, 3 stories, 26x30 feet, slate roof, hot water heat, Unrick street, west of Rising Sun lane.

Dr. George Windman (O), 709 North American Building. Wolverton & Collins (C), 3930 Germantown avenue. Dwelling, 3 stories, stone, 51x33 feet, shingle roof, hot air and hot water heat. north side Lincoln drive, west of Navahoe street. Cost, \$11,500.

John Sekrenderr (O and C), 326 Allen lane. Cost, \$16,500. Garage, 1 story, 86x86 feet, brick, slag roof, steam heat, south side of Mt. Airy avenue.

J. A. McKean (O and C), 609 Lincoln Building. Cost, \$5,000. Two dwellings, 2 stories, stone, 19x36 feet, slate roofs, hot water heat, north side Cantrell, west of Greene street.

John Petz (O and C), 4609 North Fifteenth street. Cost, \$83,000. Nineteen dwellings, 2 stories, brick, 16x30 feet, slag roof, hot water heat, north side Sixty-eighth avenue, west of Fifteenth street.

Thos. McGasney (O and C), 630 South Fifty-sixth street. Cost, \$70,450. Two hundred and thirty-one dwellings, 2 stories, brick, 15x80 feet, slag roofs, hot water heating, south side of Nassau street, 95 feet west of Fifty-ninth street.

Alexander Mahon (O and C), 6719 North Fifteenth street. Cost, \$35,000. Fourteen dwellings, 2 story, brick, slag roof, hot water heat, 16x38 feet, Eleventh and Wagner ave.

John W. Speckman (O), 816 Stephen Girard Building. Phila. Postal Adv. Co. (C), 814 Walnut street. Cost, \$800. Sign, 6134-50 Market street.

N. Bellavue (O), on premises. Jas. Padolene (C), 1448 South Sixteenth street. Cost, \$315. Dwelling, 1 story rear addition, brick, 12x15 feet, slag roof, 1533 Ellsworth street.

Philadelphia Rubber Works (O), on premises. Stuckert & Co. (C), Crozer Building.

MARYLAND

Construction News

Residence, Guilford, Md., \$15,000. Architect, E. L. Palmer, Munsey Building, Baltimore, Md. Owner, H. F. Westheimer, 124 South street, Baltimore, Md. Brick, 2½ stories, slate roof, electric lighting, tile work. Plans in progress.

Residence, Tenn Hills, Md. Architect, Herbert G. Josy, Munsey Building, Baltimore. Frame, 2½ stories, 30x50 feet, shingle roof, hot water or steam heating, electric lighting. Plans in progress.

Convent Building, Paradise lane, Catonsville, Md. Architect, George R. Callis, Jr., 218 East Lexington street. Owners, Dominican Sisters of Perpetual Rosary, on premises. Brick and stucco, 2 stories, 73x27 feet and 95x27 feet, slate roof, electric lighting, plumbing (heating reserved). James J. O'Connor, 427 East Lexington street, Baltimore, is taking sub-bids on all lines.

Mill and Elevator, Ellicott City, Md. Architects, Nordyke & Morman, 1290 Kentucky avenue, Indianapolis, Ind. Owners, C. A. Gam-

brill Manufacturing Co., 1004 Commerce street. Reinforced concrete, brick and steel, 8 stories, 45x160 feet, slag roof. Architects taking bids, due October 2nd. The following are figuring: Burrell Eng. Co., Chicago, Ill.; Lehigh Cont. and Eng. Co., Kansas City; McDonald Eng. Co., Chicago, Ill.; James Stewart & Co., Chicago; Witherspoon, Engler & Co., Chicago, Ill.

Parish House, High, Trinity and Albemarle streets, Baltimore. Architects, Haskell & Barnes, 301 North Charles street, Baltimore. Owners, City Mission and Church Extension Society of M. E. Church. Brick, 3 stories, 18x100 feet, tile roof, steam heating, electric lighting, plumbing and concrete work. Architects taking bids, due October 2nd. The following are figuring: B. F. Bennett Building Co., 123 South Howard street; Thomas L. Jones & Son, 410 West Saratoga street; Cowan Building Co., 106 West Madison street; P. J. Cushen, 217 St. Paul street; John Waters Building Co., 23 East Center street.

MARYLAND

Contracts Awarded

Schools (2), Cambridge, Md., \$28,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Board of Education, Cambridge, Md. Brick, 2 stories. Contract awarded to Thomas & Brohawn, Cambridge, Md.

Store (alts. and add.), 407 North Howard street, Baltimore. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Julius Mintz, Equitable Building, Baltimore. Brick, slag roof, electric lighting, skylight, galvanized iron, metal frames and sash, metal ceiling, plastering, plumbing, gasfitting, con-

crete floor. Contract awarded to Morris Silberstein, 114 Jackson Place, Baltimore.

Bank, 402 North Paca street, Baltimore. Architect, George R. Morris, Title Building, Baltimore. Owners, Equitable Bank Building Association, 307 North Paca street, Baltimore. Brick, 1 story, 24x48 feet, slag roof, electric lighting, terrazzo floors, concrete foundations, waterproofing and dampproofing, iron and steel, plastering, tile work, plumbing (lighting and heating reserved). Contract awarded to George R. Morris, Title Building, Baltimore, who will take sub-bids

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Cost, \$2,500. Manufacturing building, repairs and boiler setting, Thirty-seventh and Reed streets.

Reslo Manastera (O), on premises. M. Capallo (C), 834 Dickinson street. Cost, \$300. Store, flush bulks, 1722 East Passa-yunk avenue

Lewis Ashler (O and C), 4433 Salmon st. Cost, \$4,900. Three dwellings, 2 stories, brick, 16x40 feet, slag roof, no heating, east side of Almond street, south of Bulkis street.

Edwin Stott (O and C), 3430 Water street. Cost, \$17,600. Eight dwellings, 2 stories, brick, 14x28 feet, slag roof, hot water heating, 5414-16-18-20 North Tennes avenue; 5403-5-7-9 North Tennis avenue.

Ford Bros. & Co. (O), on premises. H. C. Dahl (C), 231 South Eighth street. Cost, \$3,200. Machine shop, 2 stories, 30x30 feet, slag roof, 1618-20 South Front street.

Geo. A. Nahm (O and C), 2736 Girard avenue. Cost, \$6,050. Thirty-four dwellings, 2 stories, brick, 15x51 feet, slag roof, hot water heating, west side Myrtlewood street, 75 feet east of Morris street.

Charles Hallowell (O and C), Fifty-ninth and Carpenter streets. Cost, \$51,400. Eighteen dwellings, 2 story, brick, 15x33 feet, tin and slag roofs, hot water heating, north side of Wharton street, west of Sixtieth st.

Alfred Sternhauser (O and C), 5424 North Fifth street. Cost, \$9,000. Two dwellings, 3 stories, brick, 20x30 feet, slag roof, hot water heating, east side Rising Sun lane

James M. Mitchell (O and C), Forty-sixth and Market streets. Cost, \$92,800. Fifty-three dwellings, 2 stories, 15x29 feet, brick, slag roof, hot water heating, Marlyn road.

W. Fischer (O and C), 3621 North Fifth street. Cost, \$1,500. Dwelling, 2 stories, brick, 17x33 feet, slag roof, hot water heating, 4316 Franklin street.

Heller Bros. (O and C), 480 North Harmon street. Cost, \$5,000. Two dwellings, 2 stories, brick, 15x40 feet, tin roof, hot water heating, east side of Manayunk avenue, 80 feet north of Dupont street.

Heyman Bros. (O), Widener Building. E. J. Kretzburg (C), 1345 Arch street. Cost, \$23,000. Dwelling, 2 stories, brick, 30x16 feet, slag roof, steam heat, 857 North Broad street.

S. B. Fleisher (O), Eighth and Chestnut street. Wm. Steele & Son (C), 1600 Arch street. Cost, \$70,000. Power house, 1 story, 64x100 feet, brick, slate and peak, west side of Twenty-fifth street, south of Reed street.

Oscar R. A. Bulaw (O), on premises. Bauman & Leeds (C), Eighth and Parrish street. Cost, \$325. Dwelling, repairs and alterations, 1504 North Alder street.

Alterations and Additions

Frank Lucie (O and C), 1351 Christian street. Cost, \$600. Dwelling, repairs and alterations, 226 North Clarion street.

N. T. K. Emery (O), 5022 North Sixteenth

street. Frank A. Stall (C). Cost, \$400. Kitchen, 1 story, brick, 12x7 feet, slag roof, 2765 Ash street.

Samuel Smelk (O), on premises. Bush Hill Const. Co. (C), 2208 Brown street. Cost, \$3,000. Warehouse, 2 stories, 40x65 feet, slag roof, brick, 4841 Aspen street.

Karl Schellallen Dye Works (O and C), on premises. Cost, \$300. Tank supports, support for water tanks, Ontario and Hartville streets.

Jos. Perns (O and C), 334 North Sixteenth street. Cost, \$500. Dwelling, 1 story, brick, 28x105 feet, slag roof, Dagert and Vine sts.

Michael Kennedy (O), on premises. E. C. Dunell (C), 1713 North Twenty-fourth street. Cost, \$3,200. Wagon house, repairs and alterations, 2318 Wallace street.

Berger & Engel Brewing Co. (O), on premises. E. E. Hollenback (C), Fifteenth and Race streets. Cost, \$6,000. Storage, general alterations, Thirty-second and Master streets.

Michael Daniels (O), on premises. James Mahon (C), 1649 Marvine street. Cost, \$400. Dwelling, bulk windows, repairs, 908 North Sixth street.

John Baizley Iron Works (O and C), 514 South Delaware avenue. Cost, \$400. Storage, repairs, Swanson and Lombard streets.

Whillig & Collier (O), on premises. Samuel Rogers (C), 5312 Thompson street. Cost, \$300. Store and dwelling, new bulks, repairs, 5321 Westminster avenue.

James Balman (O), on premises. Frank Stahl (C), 2713 North Park avenue. Cost, \$300. Store and dwelling, 1 story, brick addition, 8x18 feet, slag roof, Thirteenth and Cambria streets.

James Fenlan (O), on premises. E. M. Fred (C), 5315 Kershaw street. Cost, \$800. Garage, 1 story, brick, 50x30 feet, slag roof, 5131 Kershaw street.

Philip Welsky (O), on premises. Perlstein & Bace (C), 922 North Eighteenth street. Cost, \$600. Store and dwelling, repairs, 1715 Ridge avenue.

Walter Nalfer (O), 6054 Delancey street. F. E. Koch (C), 6106 De Lancey street. Cost, \$300. Dwelling, hot water heating system, Sixtieth and Waltan avenue.

Sutton & Stephenson (O and C), 1317-19 Washington avenue. Cost, \$900. Dwelling, repair fire damage, 1320-22 Kimball street.

S. Wallusk (O), on premises. Nathan Lehrman (C), 920 Wolf street. Cost, \$975. Store and dwelling, 3 stories, rear addition, 13x30 feet, brick, slag roof, 306 South Fifth street.

A. W. Kroessee (O), on premises. John McShane (C), 1610 North street. Cost, \$2,500. Garage, 1 story, brick, 87x173 feet, slag roof, steam heat, 4312-14-16 North Broad street.

Charles J. McNulty (O), Atlantic City. James H. Faires (C), 2443 North Fifteenth street. Cost, \$400. Store and dwelling, repairs, 521 South Twelfth street.

Sarah Rabinavity (O), Bridgeton, N. J. Jake Greenspen (C), 557 North Sixth street.

Cost, \$900. Store and dwelling, repair fire damage, 428 North Second street.

W. P. Datz & Bro. (O), 16-18 South Marshall street. Frank Engler (C), 1608 North Carlisle street. Cost, \$10,000. Factory, build fire tower, 3 elevators, Sixth and Summer streets.

G. Tucker (O), on premises. Stewart Bros. (C), 2528-30 North Orkney street. Cost, \$300. Warehouse, repairs, 2916 Kensington avenue.

Joshua M. Holmes (O and C), on premises. Cost, \$1,000. Two dwellings, mansward roof, repairs, 4512-14 North Eleventh street.

Weightman Estate (O), 1524 Chestnut st. James S. Talley (C), 1932 Market street. Cost, \$350. Store, alterations and repairs, 1526 Chestnut street.

Aba Dislanti (O), 1724 Carpenter street. Robert West (C), 8220 Buist avenue. Cost, \$400. Dwelling, repairs, 1726 Montrose street.

Wharton, Jr., & Co. (O), Easton, Pa. Belmont Iron Works (C), Philadelphia. Cost, \$3,800. Machine shop, erection of crane, Twenty-fourth and Washington avenue.

Adman & Clarke (O), Iowa. John Armstrong (C), 2216 North Second street. Cost, \$1,250. Store and dwelling, repairs, alterations, 910 North Nineteenth street.

C. Schmidt (O), 127 Edward street. John N. Gill (C), 1215 Filbert street. Cost, \$500. Saloon, interior and exterior repairs, 1525 Frankford avenue.

Kahn & Greenberg (O), on premises. B. Bornstein (C), 1510 Franklin street. Cost, \$8,000. Factory, 3 stories, brick, 37x160 feet, 918 North Broad street.

A. Verlahner (O), on premises. Otto Malz & Sons (C), 2108 North Lawrence street. Cost, \$1,300. Store, 1 story, brick, 11x32 feet, slag roof, Twenty-second and McKean streets.

James Perry (O), on premises. Warren Biscoe (C), 3954 Ludlow street. Cost, \$800. Garage, 1 story, brick, 12x15 feet, slag roof, Forty-sixth and Haverford avenue.

Alice Broker (O), on premises. H. Greene (C), 990 Marshall street. Cost, \$1,000. Dwelling, repairs and alterations, Thirteenth and Diamond streets.

J. Stram (O), on premises. J. Frithingham (C), 3367 Frankford avenue. Cost, \$1,100. Dwelling, 1 story, brick, 18x10 feet, slag roof, 2815 North Fifth street.

Benj Alexander (O), 1328 Chestnut street. Frank Lucci (C), 1351 Chestnut street. Cost, \$1,000. Store and dwelling, 1 story, rear kerbi addition, 16x21 feet, slag roof, 1531 Cherry street.

A. Blum (C), 1733 North Seventh street. Harry Glass (C), 1809 North Second street. Cost, \$1,150. Lumber shed, 1 story, brick, 20x50 feet, slag roof, 1151 Frankford avenue.

John A. Gibbons (O and C), 275 South Sixty-second street. Cost, \$400. Garage, 1 story, brick, 15x24 feet, slag roof, 275 South Sixty-second street.

E. Hass (O), on premises. John Borden & Bro. (C), 637 North Nineteenth street. Cost,

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\$780. Lodging house, steam heating system, 1714 Arch street.

Oscar Bilgram (O), on premises. James A. Hahn (C), 5556 Arch street. Cost, \$500. Garage, 1 story, brick, 12x50 feet, slag roof, 751 North Fortieth street.

Dr. I. Strittmatter (O), 499 North Sixth street. Logan & Co. (C), 504 West Allegheny avenue. Cost, \$670. Store and dwelling, hot water heating system, northwest corner Fifth and Allegheny avenue.

Chas. E. Johnson Co. (O), 509 South Tenth street. Franklin Eng. & Const. Co. (C), 408 Bulletin Building. Cost, \$4,265. Dwelling, reinforced concrete roof, repairs, north side odman street, east of Eleventh street.

Eva Feldsher (O), 3765 North Seventeenth street. A. Feldsher (C), same. Cost, \$800. Barber shop, 2 story, addition, brick, 16x9 feet, slag roof, 3765 North Seventeenth street.

M. Casino (O), on premises. Tony Fiosello (C), 321 North Sixty-fifth street. Cost, \$360. Store and dwelling, flush bulks and repairs, 2652 East Somerset street.

Board of Education (O), 1012 Walnut st. Ahesta Crele Building Co. (C), 1927 Market street. Cost, \$2,300. School, alterations and repairs, Palmella and Bleigh streets.

Harry Solfo (O), on premises. Frank Manfredi (C), 1012 Fitzwater street. Cost, \$400. Garage, 1 story, rear, brick, 20x11 feet, 612 South Percy street.

Dr. James A. Rulhers (O), 621 Spruce st. Brown Heating Co. (O), Builder's Exchange. Cost, \$700. Dwelling, hot water heating system, 621 Spruce street.

Jas. Kelly (O), on premises. John Hausman (O), 113 and 15 Tasker street. Cost, \$540. Shelter shed, 1 story, 22x44 feet, frame rubberoid roofing, Snyder avenue wharf.

J. M. Christian (O), 1214 Fillmore street. Fred Plancher (C), 4412 Salmon street. Cost, \$350. Dwelling, 1 story, brick, 12x20 feet, slag roof, 2218 Orthodox street.

W. McIlwain, Land Title Building. Melzer & Fisher (C), Denekla Building. Cost, \$1,000. Offices, reinforced concrete roof, northwest corner Sixteenth and Sansom stt.

Wm. Swinger (O), on premises. E. M. Swatley (C), 6835 Ridge avenue. Cost, \$700. Storage, 1 story, stone, 20x46 feet, slag roof, 408-10 Livingston street.

I. P. Clatch (O), 266 South Sixtieth street. Cost, \$2,800. John P. Tallen (C), 449 South Sixtieth street. Cost, \$2,800. Garage, 1 story, brick, 18x100 feet, slag roof, Sixty-second and Irving avenue.

Margaret Bradley (O), on premises. Wm. A. Cloak (C), 3152 Salmon street. Cost, \$1,000. Garage, 1 story, brick, 20x45 feet, 3035 Salmon street.

John Mortimer (O and C), 3024 Emerald street. Cost, \$2,000. Workshop, 1 story, brick, 2x43 feet, slag roof, east side of Rorer street, north of Ontario avenue.

S. H. Robinson Co. (O and C), 814 Walnut street. Cost, \$3,000. Building, sign, northwest corner Broad and McFarren streets.

S. H. Robinson Co. (O and C), 814 Walnut street. Cost, \$3,000. Stable, 2 story, brick, 25x12 feet, 2441-43 Pennsylvania avenue.

T. Charleston Henry (O), on premises. Sam Harting (C), 20 East Johnson street. Cost, \$24,000. Dwelling, 2 story, brick, 20x11 feet, slag roof, northwest corner Westmoreland and St. Martin's streets.

Wm. Justis (O), 6706 Woodland avenue. W. Brown Heating Co. (C), Builder's Exchange. Cost, \$400. Dwelling, hot water heating system, 6706 Woodland avenue.

Charles E. Johnson Co. (O), 509 S. Tenth street. Franklin Eng. & Const. Co. (408 Bulletin Building. Cost, \$500. Manufacturing building, interior alterations, east side Swanson, south of Ritner street.

Isaac Shapiro (O), on premises. Morris

Brooks (C), 1909 North Patton street. Cost, \$650. Dwelling, flush buyks and repairs, 1912 North Thirteenth street.

Phila. Paper Co. (O and C), Nixon street, Manayunk. Cost, \$1,500. Pump house, 1 story, brick, 14x38 feet, reinforced concrete, Nixon street, north of Fountaine street.

O'Neill Bros. (O), on premises. Wm. Steele & Sons (C), 1600 Arch street. Cost, \$2,500. Manufacturing building, repair fire damage, west side of Sixty-fifth street, south of Lancaster avenue.

Miss Owens (O), on premises. Chas. J. Hamilton (C), 760 North Forty-fourth street. Cost, \$360. Dwelling, repairs, 634 North Fortieth street.

S. F. Hanston (O), on premises. D. J. Grukle (C), 219 High street. Cost, \$3,000. Dwelling, alterations and repairs, northwest corner Cherokee and Willow Grove avenue.

Edw. Watson (O), 1417 Chestnut street. F. A. Havens (C), 845 North Nineteenth st. Cost, \$300. Residence, alterations, 100 West Crefeldt street.

G. Einwechter (O), 1034 Shackamaxon st. Harry Gill (C), 2515 Germantown avenue. Cost, \$1,250. Dwelling, 2-story addition, brick, 15x16 feet, 1034 Shackamaxon street.

Beth Eden Mission (O), east side of New Market street. Thomas M. Seeds Co. (C), 1207 Race street. Cost, \$2,000. Mission House, interior alterations, east side of New Market street.

Philadelphia Trust Co. (O), 415 Chestnut street. Burd P. Evans Co. (C), Thirteenth and Wallace streets. Cost, \$3,000. Store, interior alterations, Fifteenth and Chancellor streets.

Thomas Armstrong (O), 3506 North Twenty-third street. Frank E. Wallace (C), 1220 Chancellor street. Cost, \$6,000. Tenement house, 1-story addition, brick, 12x16 feet, mansard roof, 2226 Tioga street.

Pennsylvania Railroad Co. (O), Broad Street Station. L. H. Smith (C), Hale Building. Cost, \$3,800. Tool house, brick, 1 story, 17x70 feet, south of South street at Arsenal bridge.

F. C. Turner (O), 51 North Sixtieth street. G. M. McCurdy (C), 1925 McKean street. Cost, \$4,500. Store and dwelling, brick, 1 story, 16x76 feet, southeast corner of Sixtieth and Arch streets.

Mr. Levin (O), Fifth and Morris streets. J. Ostnoff (C), 364 Snyder avenue. Cost, \$500. Dwelling, new flush bulk and repairs, 4102 Poplar street.

Broad Street Realty Co. (O), 149 South Broad street. Smith Hardican (C), 1606 Cherry street. Cost, \$1,500. Store, new flush bulk and interior alterations, 1335 Walnut street.

Mary Ann White (O), 143 Spruce street. John Maginnis (C), 514 Walnut street. Cost, \$5,500. Dwelling, 2-story brick addition, 38x14 feet, 302 East Chester avenue.

J. W. Slayton (O), 8015 Frankford avenue. Charles E. McClure (C), 3118 Rhawn street. Cost, \$1,500. 2-story addition, frame, 11x14 feet, interior alterations, Rhawn street and Montague street.

J. Lee Hall (O), 5138 Parkside avenue. J. F. Wolff (C), 4327 Pennsgrove street. Cost, \$800. Garage, 1 story, brick, 18x23 feet, slate roof, Fifty-third and Woodland avenue.

E. Flecker (O), 4710 Duffield street. Buckelbach Lane (C), 4608 Richmond street. Cost, \$1,000. Dwelling, 2-story brick addition, 16x16 feet, slag roof, 4710 Duffield street.

N. Seidman (O), 1341 South Fourth street. Max Shaffer (C), 602 Hoffman street. Cost, \$350. Store and dwelling, 2-story brick addition, 15x20 feet, slag roof, southeast corner of Seventeenth and Manton streets.

Mr. Hawkins (O), 265 East Ashmead street. E. E. Myers (C), 4900 Knox street. Cost,

\$300. Two dwellings, alterations, 265 and 267 East Ashmead street, Germantown.

David H. Lane (O), 1400 North Thirteenth street. D. Wittenberg (C), 209 Lincoln Building. Cost, \$2,000. Dwelling, alterations and repairs, 1400 North Thirteenth street.

Joseph Smith (O), southeast corner of Eleventh and Moyamensing avenue. H. E. Grau Co. (C), 1707 Sansom street. Cost, \$900. Store and dwelling, new bulks and repairs, southeast corner Eleventh and Moyamensing avenue.

Pennsylvania Co. (O), 517 Chestnut street. Hayes Mendenall & Sons (C), Drexel Building. Cost, \$400. Dwelling, bath rooms, 908 Pine street.

J. Egnal (O and C), 4146 Leidy avenue. Cost, \$300. Dwelling, 1-story brick kitchen, 12x12 feet, slag roof, 4136 Leidy avenue.

Mr. Weaver (O), 1433 Spruce street. Hugh Hazlett & Son (C), 1701 North Twentieth street. Cost, \$1,200. Office and dwelling, 2-story brick addition, 15x12 feet, rear 1433 Spruce street.

Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Philadelphia Real Estate Record and Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912.

Editor, J. Irving Dillon, 5716 Christian street Philadelphia.

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Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,
Louis S. DeLone, President.

Sworn and subscribed before me this 19th day of September, 1916.

Edward J. Toole, Notary Public.
(My commission expires Jan. 21, 1917.)

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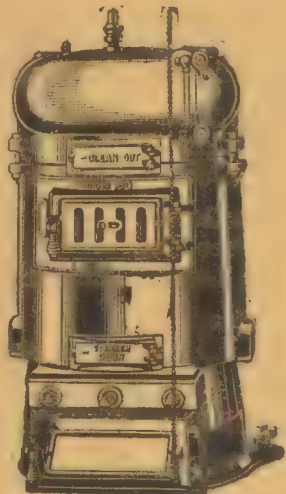
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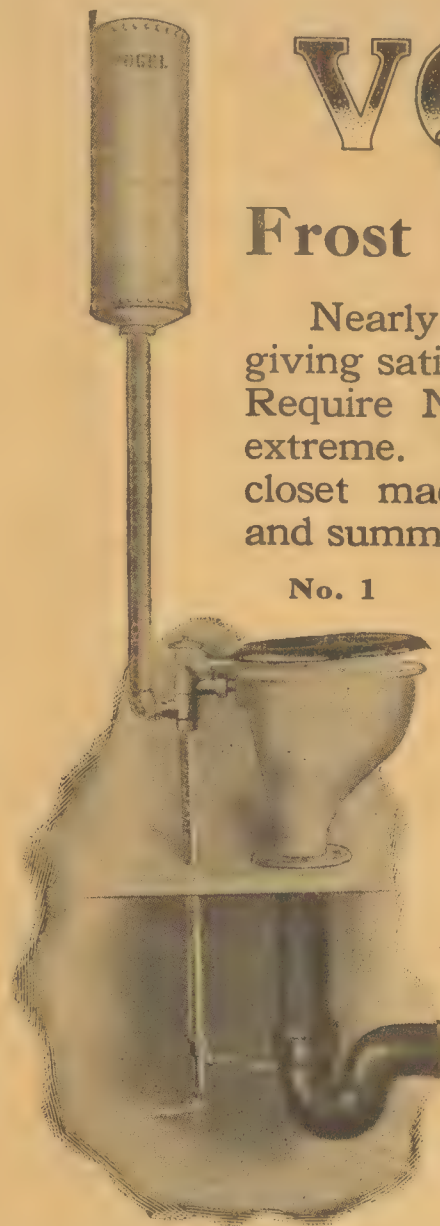
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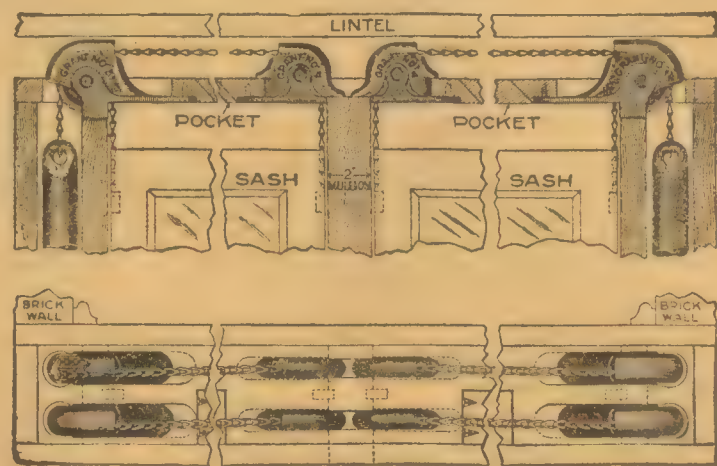
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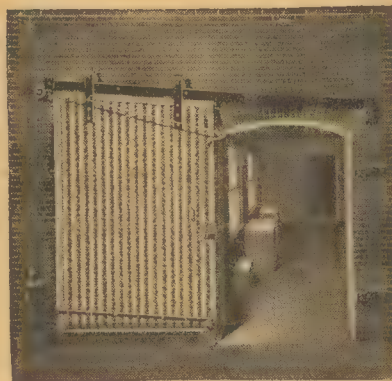
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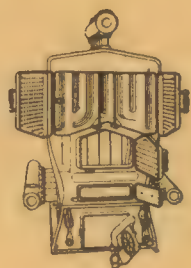
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 40

PHILADELPHIA
October 4, 1916



As The Editor Sees It



THE time-honored policy of awarding contracts to the lowest bidder seems to be coming in for general criticism. There appears to be a widespread trade awakening to the fact that this "lowest bidder" system has developed an order of competition that is not compatible, either with good work or with healthy business standards. Indeed the time would seem to be ripe for a movement, practically nation-wide, to supplant this system with something based upon a clearer recognition of the essential mutuality of contract obligations. This interest in doing away with the lowest bidder idea is by no manner of means confined to the building trades, as a letter to the *Engineering Record* from Zenas W. Carter, field secretary of the Granite Paving Block Manufacturers' Association of Boston, goes to show. Writing on the basic unwisdom of the present method Mr. Carter says:

"In my opinion, most city engineers and city officials recognize that this is a pernicious practice, and that many times a city spends more money for its work through this method and gets a poorer job than if the contract were awarded at a higher price. It may be that the difficulty of changing the practice is entirely due to the attitude of the average citizen, who so frequently comes to the conclusion that city officials are dishonest unless contracts are awarded to the lowest bidder. At the same time it is certain that the citizen in his private life and the manufacturers do not place their orders solely on the basis of the lowest bid. It seems to me that some method by which cities would award contracts to the bidder whose price was nearest the average would tend to improve the class of contractors, raise the standard of work, and make city work more attractive to efficient, responsible parties. Some such method of awarding contracts to the bidder nearest the average would prevent

a contractor from receiving excessive prices and at the same time would prevent the city from accepting bids from irresponsible men, who bid so low that they must either fail before the work is completed or skin the job. * * * By making the average bid the standard, the aim of the contractor in every case would be to make the price absolutely correct and just for the work. It would give the engineer an opportunity to demand that the specifications be lived up to and relieve him of the feeling that it would be unjust to insist upon right adherence to the specification when the contractor had taken the job at a losing price."

* * *

THIS average bid suggestion is a good one, but like every other suggestion advanced in this connection is open to a serious objection. In the case of public work it might conceivably operate to throw contracts to a favored bidder. In the matter of private work it would enable the architect in every case to arbitrarily control the award. What THE GUIDE would like to see, and we feel that it will come in due course, is a thorough and searching analysis of this entire question by a committee representing jointly the American Institute of Architects and the National Association of Master Builders' Exchanges with a view to arriving at an equitable and mutually satisfactory solution of what has come to be a vexed and highly complicated problem.

The ideal solution would seem to lie in the quantity surveying idea in vogue abroad. Certainly with an expertly computed table of the quantities at the command of every bidder on a given job the probability of irresponsible bidding would necessarily be largely reduced.

* * *

KEITH'S MAGAZINE" discusses one of the many phases of this problem—that relating to the

man who is building a home, in the following terms:

"There is a more or less wide-spread feeling among home builders that the contractor is a "cunning" one, against whom it is necessary for the hapless owner to guard himself by all the arts of which he may be master—that he is a wizard who by the use of a few pieces of paper and the practice of his own "rites" and mysteries, converts the great piles of lumber, brick and stone, with other curious things, first into the confusion of the half-built house and then after a lapse of time and the clearing away of the debris, accomplishes the bringing forth of another new home.

"Does this new home meet the ideals of the owner? Yes, provided perchance he is generous in his allowance for the work, that he has been wise in the choice of his contractor, that the contractor and all of his workmen have at all times been particular, so much so as the housewife herself, and lastly, though not least in importance, that the contractor has fully understood what has been in the mind of the owner; then it is that the new home proves to be just what the owner expected.

"Now, if the new home is not perfect, wherein lies the trouble? We may generally say that it is because of one of two reasons or both: first, a misunderstanding between the owner and the contractor as to what the owner really wanted, and secondly, there not being a clear agreement as to what the cost of the completed house was to be. If both of these reasons apply, the owner, as well as the contractor, is going to have some "fun."

"It is easy to see where the architect comes in and where his services are to the interests of the owner and to the satisfaction of both owner and builder, for it is up to him to see that there is a perfect understanding on all of these mat-

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ters, to learn what the ideals of the owner are and his actual needs and to reconcile these with the size of his pocketbook, and this should all be done before a contract is made with the contractor, and by so doing the architect helps to interpret clearly to the contractor what is wanted and to look out that it is secured.

"While some contractors may take advantage of the unsophisticated owner, we think that much consideration is really due him. The present system of "bidding" for a job works a good deal of hardship on the contractor. He must spend a great deal of time and effort in figuring estimates on many a job he does not get. If he figures low enough to get under his competitors, he may have to take it "out of the job" or dig down into his jeans. After all, the best results are secured by cordial co-operation in the triangle relation between the owner, the architect and the contractor."

* * *

AFTER all is said, the ideal condition is that stated in the closing sentence of the article here quoted. "The best results are secured by cordial co-operation in the triangle relation between the owner, the architect and the contractor." The problem is to devise some system whereby this "cordial co-operation" may be made obligatory upon all of the parties to the triangle to the ultimate exclusion of the contractor who makes "guess" bids and then trusts to favoring circumstances to fight his way to a very meagre and inadequate margin of profit.

* * *

AN interesting little chat on "Early Landscape Architecture" grew out of certain comment in the pages of *The New York Record and Guide* on the death of Winthrop Sargent.

"Winthrop Sargent's death drew out few public references to his famous estate, 'Woodneathe,' at Fishkill-on-the-Hudson, and the unique place it fills in the history of American landscape architecture," said *The Record and Guide*. "Preserved for three-quarters of a century, Woodneathe was the most notable and costly among the Hudson River estates designed by Andrew J. Downing, who was the exemplar of Olmsted, Vaux and a long line of architects, landscape gardeners and park and city planners. Its twenty acres were planted with specimens of every known tree, vine, shrub and bulb that would grow in the Hudson valley, so arranged as to present the most beautiful floral patterns and vistas imaginable.

"The nurseries of Europe were searched to supply curious growths. In 1897 the trees that had survived half a

century at Woodneathe, were catalogued in one of the most inspiring and instructive descriptions of an American country place ever written. Woodneathe helped us to discover what parts of the world can send beautiful plants that can succeed in this climate, and the further lesson that enduring beauty cannot be made with colors of purple, yellow and white, but that the best trees and flowers of all are those which are native to each particular region.

"Downing taught us, in the Sargent place, and at other Hudson River and Newport estates and parks which he designed, to break up a panorama into several views, and not to permit a full sweep of the horizon from the house. Notice on your next trip up the river that nearly all the notable private grounds exemplify this principle. Downing's vistas were sometimes round like an oriel window, sometimes square, or long and narrow, sometimes planned as to whether it was a mountain, a lake or a shore that was framed in them.

"Modern real estate interests are realizing more and more the importance of good landscaping in adding to the value of a country place. The present keen demand for suburban estates and the reluctance of owners to part with them testify to the renewed interest in rural architecture. Some of the old places on the Hudson which Downing planned and planted have been handed down in families for generations. But years ago, alas, not a few were allowed to fall into ruins. Nearly every old place of size around Downing's lifelong home at Newburgh carries the evidence of his artistic genius. Close by Woodneathe is the home of the Dewints, where he built the first example of Elizabethan architecture in this country. Also near is the Howland estate, which was recently conveyed as a free gift to the City of Beacon for a public park. From Woodneathe the visitor can discern across the river a long line of park-like residences, most of which are indebted to Downing or his brother, Charles, for something.

"Downing is remembered as a man of letters as well as an architect and horticulturalist. His biographer, George William Curtis, was plainly of the opinion that his greatest achievements were in literature, notwithstanding the fame that his embellishment of the public grounds at the national capital brought him. His 'Landscape Gardening,' 'Cottage Residences,' 'Architecture of Country Houses,' and 'Fruit and Fruit Trees of America' are classics and established him as the first authority on rural art and horticulture. Downing was more than a genius, he was a prodigy. From 1840 to about 1870 Woodneathe was visited by thousands of home builders for inspira-

tion, and there is much still to be learned there, as well as admired."

* * *

NEW YORK is seriously discussing the advisability of licensing its builders. As the result of a careful study and consideration of the recent collapse of the building at 188th street and Marion avenue, in the Bronx, by experts of the Advisory Council of Real Estate Interests, it has been suggested that builders be licensed. This action, it is claimed, would cure numerous existing evils and fix the responsibility. Discussing this subject, Julius Franke, of the firm of Manicke & Franke, said: "There is an ever increasing demand for safeguarding buildings during construction. The Building Department is supposed to be responsible for the proper erection of buildings, but it no more can undertake this great task efficiently than could the Board of Health or any other medical board undertake to prevent carelessness or malpractice in the treatment of sick persons.

"Some system should be adopted whereby inefficient or ignorant persons or persons ignorant of the practice and principles of building be not allowed to supervise or direct the erection of structural parts of a building.

"In Europe this is mostly done by licensing or in some other way allowing only those who are proficient to have charge of the erection of buildings.

"I would suggest some law whereby the proper supervision of buildings in the course of construction or when altered is made mandatory.

"I would further suggest that when plans are filed the name of the individual or firm who supervises construction be mentioned in the application for a building permit and that when any change is made the department must be notified.

"The supervisor, who may be an architect, engineer, or builder, should possess the proper qualifications. These qualifications, to be arrived at by stipulating members of certain architectural societies, licensed architects, (licensed architects are now provided for by New York State and other State laws), also by accepting members of certain builders' societies as competent, and also any other individual who has the proper qualifications arrived at through examination.

"I believe that the builders of the city would be glad to co-operate with you in any effort to improve conditions whereby the incompetent and ignorant builder will be eliminated or be compelled to employ some one who is competent to supervise his work.

"I might add that if the insurance and trust companies making building loans would be more particular about the architect and the supervision on the part of

the architect or responsible superintendent it would be a great step toward eliminating the irresponsible supervisor.

"Most of the insurance companies have their own representative, who approves of the plans and who from time to time goes to the building to look over the work. This supervision on the part of these companies is, however, mostly for the purpose of making payments and it is impossible for them to go into all the details of proper supervision.

"They must rely upon the architect or builder and for that reason they should be more particular about the architect and the builder and that the work shall be properly supervised by them."

* * *

OTTO M. EIDLITZ, of the firm of Marc Eidlitz, said: "I agree with what Mr. Franke said in his statement. The situation is that most of these inspectors have a great deal more work to look after than one man can reasonably inspect in a thorough manner; secondly, in the last few years the number of irresponsible persons who have gone into the building business and have attempted to erect buildings from plans purchased outright from architects, without any supervision from the authors of the plans, has been steadily increasing.

"About eight or ten years ago a number of tenement houses collapsed in the Bronx, due to the poor stone foundation walls. At that time the recommendation was made that builders should be licensed. I do not think that it is possible to present a real cure for the situation which exists in the building industry, especially where speed plays so large a part in the erection of buildings to-day, but if the builder were licensed and if the architect were made responsible for the supervision of the plans which he draws, you would at least be taking a step in the right direction."

* * *

THE blighting effects of war on real estate, building and the allied trades in Germany are shown in a series of reports from United States consular agents printed in a supplement to Commerce Reports by the Department of Commerce at Washington, D. C.

According to Consul William Thomas Fee in Bremen: "Expenditures for rent have been curtailed, with a resulting scarcity of the cheaper class of living quarters. In the year 1914 the total amounts of rentals charged for dwelling apartments, available in the City of Bremen, (houses owned by the occupants, which is largely the case in this city, are not included) amounted in value to \$136,898, of which houses representing an annual rental of \$21,843 remained vacant.

"In the year 1915 the total amount of rentals amounted to \$189,031 in value,

and in that year houses representing an annual rental of \$72,383 remained vacant.

"The fact that from August, 1914, to November, 1915, only 175 building licenses were applied for and granted, against 1,087 licenses granted between August, 1913, and August, 1914, illustrates sufficiently the condition of the building industry."

In the City of Munich: "Building and allied trades suffered chiefly from lack of labor and the comparative high price and scarcity of building materials: moreover, with numerous apartments either empty or the rental thereof materially reduced, there was little incentive for building new houses. The caution displayed by banks in furthering building operations tended to discourage the same.

"The quarry and brick industries did only a small business. Cement works, however, flourished, practically their entire output being used by the military authorities."

In the City of Chemnitz, Consul John Q. Wood says: "The effects of the war were felt most severely in the building trade. Factories engaged in producing articles used for the construction of houses and other buildings and in fur-

nishings were compelled to reduce their forces to a minimum, to cut the weekly working hours, or to close altogether.

"Architects and builders are practically without any new work, being occupied with the completion of old contracts and a few factory extensions, caused by inadequacy of the present plants to meet the heavy demands for quick delivery of war materials.

"In 1913 there were completed 109 new dwelling houses, 9 factories, and 25 factory extensions, as compared with 193, 9, and 25, respectively, in 1914, while in 1915 new apartments and houses numbered but 56, factories 5, and factory extensions 4.

"Most of the laborers usually employed in this class of work have found other employment, and at the end of the year the City of Chemnitz had only 250 laborers without work.

"With the cessation of building there have been practically no land sales, and valuations have decreased materially. The curtailment of expenses, especially among the middle classes, has resulted in many families moving into less pretentious apartments, thus causing a large number of vacancies."

EDITORIAL NOTES

The operating expenses of skyscraper office buildings vary from 35 to 55 per cent. of gross income, and a building that is producing within 80 per cent. of its possible earning capacity is considered a normal proposition in these times. If it earns more than 5 per cent. on the total cost of land and building, it has been built on cheaper land than can now be obtained on Broadway or has special advantages, according to *The Record and Guide*.

* * *

It all depends upon the viewpoint and also upon the locality from which the view is taken. Apropos of the remarkable demand for apartments in New York City, which has already created an actual scarcity for those of the \$1,500 annual rentals and under, it is interesting to read in *The National Real Estate Journal* of St. Paul, Minn., that, although the editor admits no set prejudices, yet "they are not the best kind of domiciles for most people, though they seem necessary for some. But, on the whole, we feel that such structures are becoming too numerous and pervasive. The home spirit thrives in inverse ratio to the number of buildings close by. There is a strong sentiment abroad, however, that before long the supply of flats will exceed the demand."

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Garage, Forty-third and Wodland avenue. Architect, private plans. Owner, W. S. P. Shields, Witherspoon Building, Philadelphia. Brick or stone, 1 story, 237x192 feet, slag roof, steam heating, cement floors, electric lighting, metal sash. Owner taking bids. Abel Bot-toms & Sons Co., 3611 Walnut street, are figur-ing, in addition to those previously reported.

Factory, Twenty-eighth and Fletcher streets, Philadelphia. Architect, Frederick T. Uez-zell, 147 North Third street, Philadelphia. Owners, Cohlman & Cutler, Inc., 2522 Dauphin street, Philadelphia. Brick, 3 stories, 55x110 feet, slag roof, steam heating, electric lighting, concrete floors, elevator, fire doors, steel rolling doors, ventilators. Architect tak-ing bids, due October 11th. The following are figuring: Lam Building Co., 1001 Wood street; Harry Brocklehurst, 512 West Norris street; Smith-Hardican Co., 1606 Cherry st.; James Conner, 1329 Arch street; Loos & Doth-ard, Commercial Trust Building; Richard Mc-Glatchery, 2306 North Twenty-sixth street; Albert Zellfelder, northeast corner of Broad and Walnut streets; Frank I. Wintz, 1618 North Twenty-fourth street; Fidelity Const. Co., 1215 Filbert street; Alex. Chamb-ley, 243 South Tenth street; Freund-Const. Co., Bulletin Building; Ketcham & McQuade, 1029 Brown street; Monaghan & Losse, 3016 Chestnut street; E. E. Hollenback, Fifteenth and Race street, and H. H. Wehmeyer, 1004 West Lehigh avenue.

Office Building, Nicetown, Philadelphia, \$60,000. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Own-ers, Midvale Steel Co., Widener Building, Philadelphia. Brick, reinforced concrete and terra cotta, 6 stories, 170x50 feet, slag roof, steam heating, electric lighting, composition concrete and mastic floors, metal lath, steel sash, fire doors, vacuum cleaners, marble and terrazzo work, waterproofing, elevator. Archi-tect will be ready for revised bids October 2.

Business Building, 1525 Chestnut street, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, A. K. Pomerantz & Co., 34 South Sixteenth street, Philadelphia. Reinforced concrete, brick, stone and steel, 6 stories, 22x163 feet, reinforced concrete and slag roof, steam heat-ing, electric lighting, metal lath, metal sash, dampproofing, fire doors, ventilators, 2 ele-vators, cabinet work, store fixtures, metal window guards. Plans in progress.

Community Garage, Wakefield street, near Church lane. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owners, George A. Boyd and R. Wallace Troenmer, Tenth and Northeast Boulevard, Philadelphia. Brick, 1 story, 130x136 feet and 44x65 feet, slag roof, steam heating, cement floors, metal partitions, metal lath. Plans in progress.

Garage, Lincoln Drive, near Carpenter st. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick, 1 story, 18x20 feet, slate roof, hot water heating, electric lighting, cement floors. Architect taking bids. George Kessler Const. Co., Drexel Building, and Thomas M. Seeds, Jr., Co., 1207 Race street, are figuring.

Dance Hall (alt.), Broad and Girard ave-nue. Architect, Carl P. Berger, South Penn Square Building, Philadelphia. Owner's name withheld. Consists of interior alterations. Architect taking bids, due September 29th. John McShain, 1610 North street; R. C. Bal-linger & Co., 218 North Thirteenth street, and

Burd P. Evans & Co., Thirteenth and Wallace streets, are figuring.

Residences (9), Sixty-eighth street and Stenton avenue, Philadelphia. Architect, E. Allen Wilson. Owner, J. Henry Parker, 535 Loudon street, Philadelphia. Stone and brick, 2 stories (7), 15x42 feet, (1) 18x35 feet and (1) 25x30 feet, slag roofs, hot water heating, electric lighting, hardwood floors. Owners are ready for bids.

Residences (9), Twentieth and Cora streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles J. Day, 223 South Fifty-second st., Philadelphia. Stone and brick, 2 stories, 16x 37 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owner ready for bids.

Residences (8), Second and Oregon avenue, Philadelphia. Architect, private plans. Owner, Mark Haller, 2123 South Fourth street, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hot air heating, electric lighting. Owner is taking sub-bids on all lines.

Sanitarium (alts.), Germantown avenue and City Line, \$15,000. Architect, Henry L. Rein-hold, Jr., 1309 Walnut street, Philadelphia. Owners, Bella Vista Sanitarium, Dr. H. L. Randall, on premises. Brick, 2 stories and basement, slate roof, steam heating, electric lighting. Plans in progress.

Service Building, Broad and Melon streets, Philadelphia. Architect, M. H. Dickinson, 2330 Market street, Philadelphia. Owner, Samuel Gorson, 238 North Broad street, Phil-adelphia. Brick, terra cotta and concrete, 3 stories, 80x86 feet, slag roof, steam heating, electric lighting, elevator, steel sash. Owner taking revised bids. Freund-Seidenbach Co., Bulletin Building, is figuring.

Garage, Church lane, Germantown. Archi- tects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Church Lane Garage Co., on premises. Brick, 1 and 2 stories, 76x 110 feet, slag roof, hot water heat, electric lighting, reinforced concrete, ventilators, gas-oline storage system, auto washer. Ready for bids in one week.

Group of Buildings, Front and Federal sts., Philadelphia. Architect, Wm. H. Cookman, Broad Street Station. Engineer, A. C. Shand, Broad Street Station. Owners, Pennsylvania Railroad Co., Broad Street Station. Brick, steel and concrete, consists of inspectors' building, new platforms, scale house, etc. Plans in progress. Too early for details.

Police Station (alt.), Thirty-second Dis-trict, Sixty-fifth and Saybrook avenue. Archi- tect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Wm. H. Wilson, Director, City Hall. Consists of reinforced concrete, manure box. Lowest bidder, Gaffney Const. Co., 1927 Poplar street, \$459.

Laundry and Service Building, Overbrook, Pa. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owners, Theological Seminary of St. Charles Borromeo, care of Rt. Rev. Archbishop E. F. Prendergast, Eigh-teenth and Race streets. Stone, fireproof, 3 stories, 45x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residences (18), Frankford avenue and Backius street. Architect, private plans. Owner, George Edel, on premises. Brick and stone, 2 stories, 14x40 feet, slag roof, hot water heating, combination lighting, hard-

wood floors, tile work. Owner is taking sub-bids.

Bridge, Margie street, Philadelphia. Engi-neer, Bureau of Surveys, City Hall, Philadel-phia. Owners, City of Philadelphia, City Hall, Philadelphia. Concrete, 60x100 feet. Lowest bidder, John McMenamy, 511 Walnut street, \$69,000.

Restaurant (alt. and add.), Germantown avenue and Hunting Park, Nicetown. Archi- tect, H. F. Secor, 1421 Jerome street, Nice-town, Philadelphia. Owners, Hunting Park Cafe, on premises. Brick, 2 stories, slag roof, composition floors. Will take bids in a few days.

Building (alt. and add.), Eighth and Bain-bridge streets. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, Rocco Di Nubile, 715 Fitzwater street, Philadelphia. Brick and stone (plaster), 1 story addition, 20x19 feet, tin roof, steam heating, electric lighting, tile floors. Archi- tects taking bids, due October 5th. Donenick Iero, 515 Christian street; Anthony Bressi, Sixth and Bain bridge streets; Penarco Bros., care of architects, and Perasoli & Spurci, care of architects, are figuring.

Loft Building, Front and Poplar streets, Philadelphia. Architect, Fred N. Griesler, Lafayette Building, Philadelphia. Owner, Simon Weil, care of architect. Brick, 5 stor-ies, 65x155 feet, reinforced concrete, stone, slag roof (heating reserved), electric lighting, elevator, fire doors, fire towers, sprinkler sys-tem, waterproofing. Architect has received bids.

Building (alt.), 724-26 Market street, Phil-adelphia, \$2,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Ernest Schwehm, care of architect. Consists of new store front and interior alterations. Architect ready for bids.

Building (alt. and add.), 42 South Nine-teenth street, Philadelphia. Architect, J. Ethan Fieldstein, Hale Building, Philadelphia. Owner's name withheld. Brick, 3 stories, con-sists of new brick walls and interior altera-tions. Plans completed. Architect will be ready for bids in a few days.

Store and Apartment, southeast corner of Fifth and Pine streets, Philadelphia. Archi- tect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, David Haskey, 14 North Fourth street, Philadelphia. Con-sists of three-story addition, 27x15 feet, brick, slag roof, hot water heating, marble work, tile work, new iron store fronts, electric light-ing. Owner is ready for bids.

Shop, 933-35-37 Spring street, Philadelphia. Architect, Herman H. Kline, Sixth and Mif-flin streets, Philadelphia. Owner's name with-held. Brick, 2 stories, 45x75 feet, slag roof, electric lighting. Architect will take bids in about one week.

Garage, 6429 Sherwood road, Philadelphia. Architects, Karcher & Smith, 34 South Seven-teenth street, Philadelphia. Owner, Frede-rick A. Blaunt, on premises. Stone, 1 story, 15x23 feet, slag roof, steam heating, cement floors, electric lighting. Architects have re-ceived bids.

Residences (9) and Stores (2), Tioga and I streets, Philadelphia. Architect, private plans. Owner, Joseph S. Silver, 1912 East Orleans street. Brick, 2 stories, 15x50 feet, slag roof, hot water heating, combination lighting, hard-wood floors, tile work. Owner taking sub-bids.

Residences (21), Marsden and Hellerman streets. Architect, private plans. Owner, James N. Orr, 3532 Kensington avenue. Brick, 2 stories, slag roof, hot water heating, combination lighting, hardwood floors, tile work. Owner taking sub-bids.

Residences (44), Second and Shunk streets. Architect, private plans. Owner, Abram Berman, 2502 South Third street, Philadelphia. Brick, 2 stories, 15x50 feet, slag roof, hot air heating, combination lighting, tile work. Owner taking sub-bids.

Bank and Office Building, northeast corner Broad and Ruscomb streets. Architect not yet selected. Owners, Penn Realty and Const. Co., Ogontz and Cheltenham avenues. Brick and terra cotta, slag roof, steam heating, electric lighting, tile and marble work. Too early for details.

Service Building, Broad above Wyoming avenue. Architect, Frank A. Hays, 1524 Chestnut street, Philadelphia. Owners, Penn Realty and Const. Co., Ogontz and Cheltenham avenues. Brick, steel and terra cotta, 2 stories, 30x70 feet, slag roof, steam heating, electric lighting, cement floors. Owners taking sub-bids.

Recreation Building, Berks, Blair and Palmer streets. Architect, Philip H. Johnston, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, City Hall. Brick, 1 story, 261x80 feet. Consists of swimming pool, dressing booths and iron fences, asbestos shingle and slag roofs, proposal bonds (electric work and plumbing separate bids). Lowest bidder, Mitchell Bros., \$44,500.

Recreation Building, Twentyfourth and Jackson streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Philadelphia. Brick, 1 story, 69x131 feet, asbestos shingle and slag roof, proposal bond (electric work and plumbing separate bids). Lowest bidder, Mitchell Bros., \$47,000.

Recreation Building, Sixteenth and Wyoming streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Philadelphia. Frame, 1 story, 42x24 feet, asbestos shingle roof, proposal bond (electric work separate bids). Lowest bidders, R. P. Bennis and P. M. Sax, each \$9,400.

Play Ground (Shot Tower), Front and Carpenter streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Education, City Hall. Consists of brick piers, iron fence, concrete and granite coping and granolithic paving. Lowest bidder, P. M. Sax, Heed Building, \$13,917.

Residences (26), Sixty-fifth and Chester avenue. Architect, private plans. Owner, Wm. J. Erwin, 5927 Kinsessing avenue. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, combination lighting, hardwood floors. Owner is taking sub-bids.

Residences (4), 1220 to 1226 Wakeling st., Philadelphia. Architect, private plans. Owners, C. West & Co., Oxford and Wakeling sts., Philadelphia. Brick, 2½ stories, 16x56 feet, slate and tin roof, hot air heating, combination lighting, hardwood floors, tile work. Owners are taking sub-bids.

Twin Residences (4), St. Martins, Philadelphia, \$35,000. Architect, Edmund B. Gilchrist, 1424 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, shingle roofs, hot air heating, electric lighting, pine floors, tile work. Owner has received bids.

Residences (26), Sixty-fifth and Kingsessing avenue. Architect, private plans. Owner, Herman F. Kettman, 2434 West Clearfield street. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, combination lighting, hardwood floors. Owner is taking sub-bids on all lines.

Store, 1311-13 Arch street, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building. Owner's name withheld. Brick, stone and terra cotta, 2 stories, 41x125 feet, slag roof (steam heating reserved), electric lighting, concrete floors, skylights, metal ceilings, elevators, store fronts. Architect has received bids.

Mill Building (alt. and add.), 2706 North Hancock street. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, A. Turkington, on premises. Stone and brick, 3 stories, addition 30x22 feet, slag roof, steel sash, steam heating, plumbing, elevator, pine floors. Owner taking bids. T. C. Trafford, 1613 Sansom street, is figuring.

Garage, Forty-third to Forty-fifth streets and Woodland avenue. Architect, private plans. Owner, W. S. P. Shields, Witherspoon Building, Philadelphia. Brick, 1 story, 237x192 feet, slag roof, steam heating, cement floors, electric lighting, metal sash. Owner taking bids. Jacob Myers & Sons Co., Witherspoon Building; Ketcham & McQuade, 1029 Brown street; Peoples Bros., Commercial Trust Building, and F. A. Havens & Co., 845 North Nineteenth street, and E. R. Hall & Bro., 34 South Seventeenth street, are figuring.

Stores and Apartments (3) and Apartment House, Broad and Windrim streets. Architect, Frank A. Hayes, Weightman Building, Philadelphia. Owners, Penn Realty and Const. Co., Ogontz avenue, above Cheltenham avenue. Brick, steel and terra cotta, 3 stories, 19x100 feet, and 75x30 feet, slag roof, hot water heating, hardwood floors, electric light, hollow tile. Owners will take sub-bids in a few days.

Factory (alt. and add.), 1631 North Second street, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Keystone Spinning Mills Co., on premises. Brick, steel and reinforced concrete, 4 stories, slag roof, steel sash, safety treads (power plant, elevators, heating, lighting and sprinkler system reserved). Architects have received bids.

Power House and Kitchen Wing, Fifty-third and Cedar avenue, Philadelphia. Architects, E. F. Durang & Son, 1220 Locust street, Philadelphia. Owners, the Misericordia Hospital, care of Sisters of Mercy, Merion, Pa. Brick, stone, steel and concrete, 2 stories, 172x45 feet and 59x97 feet, slag roof, cement, oak and pine floors, metal lath, waterproofing and dampproofing, fire doors, tile and marble work. Architects taking bids, due October 5th at noon. The following are figuring: Melody & Keating, Bailey Building; Irwin & Leighton, 126 North Twelfth street; Wm. R. Dougherty, 1610 Sansom street; John McShain, 1610 North street; Cramp & Co., Denskla Building; M. L. Conneen Co., 1829 Filbert street; Wm. J. McShane, 417 South Thirteenth street; J. J. Murphy & Co., 4034 Powelton avenue; H. E. Baton, Twelfth and Sansom streets, and Doyle & Co., 1519 Sansom street.

Store (alt. and add.), 1307 Market street. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Truly Warner Store, on premises. Partitions, 1½ stories, 24x100 feet. Plans in progress.

Mill Building (add.), southeast corner Butler and Janney streets. Architect, Carl P. Berger, South Penn Square Building, Philadelphia. Owners, Belmont Packing and Rubber Co., Butler and Sepviva streets. Brick, steel and stone, 1 story, 76x70 feet, slag roof, maple floor, metal sash, fire doors. Architect taking bids, due October 9th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; E. E. Hollenback, Fifteenth and Race streets; Geo. Kessler Const. Co., Drexel Building; Ketcham & McQuade, 1029 Brown street; A. R. Raff Const. Co., 1635 Thompson street; H. P. Schneider, 3713 Old York road; Burd P. Evans & Co., Thirteenth and Wallace streets; Charles D. Burns, Drexel Building; Stewart Bros., 2526 North Orkney street; George & Borst, 277 South Eleventh street; George L. Sipps, 912 Locust street; H. H. Wehmeyer, 1004 West Lehigh avenue; Peoples Bros., Commercial Trust Building; Lam Building Co., 1001 Wood street, Philadelphia.

Building (alt.), 724-26 Market street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Ernest Schwehm, care of architect. Consists of new store front and interior alterations. Architect taking bids, due October 7th. The following are figuring: Freund Const. Co., Bulletin Building; Lam Building Co., 1001 Wood street; Stacy Reeves & Sons, 2011 Market street; Smith-Hardican Co., 1606 Cherry street; McCloskey & Bahls, 1426 Chestnut street; F. A. Havens & Co., 845 North Nineteenth street; H. Rousswick, 137 South Tenth street, Philadelphia.

Commercial Building, Broad and North sts., Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick, reinforced concrete and steel, 4 stories, 80x182 feet, slag roof, steam heating, electric lighting. Plans in progress.

Church, Greene street, Germantown. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Second Church of Christian Scientist. Brick, stone and hollow tile, 2 stories, 177x76 feet, tile roof, cement, linoleum and pine floors, steam heating, electric lighting, metal lath asphalt waterproofing, fire doors, cabinet work, tile and marble work, safety treads, ventilating system, terrazzo work. Architects taking bids, due October 13th. The following are figuring: J. Myers & Sons Co., Witherspoon Building; J. S. Cornell & Son, Land Title Building; R. C. Ballinger & Co., 218 North Thirteenth street; A. R. Raff Cont. Co., 1635 Thompson street; John Duncan, 290 Walnut street; Matthews Construction Co., Princeton, N. J.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residences (6), Dittman and Magee streets, Philadelphia. Architect, private plans. Owner, Charles Herb, 939 East Westmoreland st. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, combination lighting, tile work. Contract awarded to Frank M. Faulkner, 2331 East Allegheny avenue.

Store Building, 1305 Vine street, Philadelphia. Architect, F. E. Hahn, 1112 Chestnut street, Philadelphia. Owner, H. S. Marks, 1717 Spring Garden street, Philadelphia.

Brick, 3 stories, slag roof. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Stable and Coal Storage (alt. and add.), 3242 North Twenty-first street. Architects, Ballinger & Perrot, 1701 Arch street, Philadelphia. Owner, Estate of A. A. Catanach, on premises. Brick and concrete, 2 stories, new plumbing and draining. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Residence and Garage, Overbrook, Philadelphia. Architects, Furness, Evans & Co., Provident Building, Philadelphia. Owner, George S. Munson, 715 Walnut street, Philadelphia. Brick, 2½ stories, 77x33 feet, shingle roof, oak floors, tile work (heating, plumbing and electric work separate bids). Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

Store and Apartments (alts.), 126 South Ninth street, Philadelphia. Architects, A. J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Ernest Jambor, on premises. Brick, 3 stories, steam heating, electric lighting. Contract awarded to D. J. McNamee, 1621 North Fifteenth street.

Store (alt.), Seventeenth and Chancellor streets, \$950. Architect, Mantel Fielding, 518 Walnut street, Philadelphia. Owners, Philadelphia Trust Co., 413 Chestnut street, Philadelphia. Brick, 2 stories, slag roof, steam heating, electric lighting, pine floors. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

Maternity Building, Forty-first and Parrish streets, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, West Philadelphia Hospital for Women, on premises. Brick, stone, concrete and steel, fireproof, 3 stories, 92x52 feet, promenade tile roof, dampproofing reinforced bars, metal lath, elevator, tile and marble work, metal sash, metal doors and trimmings (plumbing, heating and electric work reserved). Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

Residence and Garage, 6422 Drexel road. Architect, private plans. Owner, John H. Casanave, northwest corner Thirteenth and Cherry streets. Stone, 2½ stories, 40x60 feet, slate roof, steam heating, electric lighting, hardwood floors. Contract awarded to Milton W. Young, Overbrook, Pa.

Garage, 6425 Woodbine avenue, Philadelphia. Architect, private plans. Owners, Wendell & Smith, 6092 Drexel road. Lessee, J. C. Neff, 6425 Woodbine avenue. Brick, 1 story. Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Stores, southeast corner Broad and Girard avenue, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Clarence L. Marks, 6801 N. Twelfth street, Philadelphia. Brick, terra cotta and

concrete, 2 stories, 20x160 feet, slag roof, steam heating, electric lighting, metal lath, ventilators. Contract awarded to McCloskey & Bahls, 1620 Thompson street.

Residence (alt.), 3903 Spruce street, \$8,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Charles B. Fritz, on premises. Consists of interior alterations, plumbing, steam heat, electric lighting, tile and marble work. Contract awarded to George F. Payne & Co., 401 South Juniper street.

Telephone Exchange (alts.), Hope and Berks streets, \$3,000. Architect, private plans. Owners, Bell Telephone Co. of Pennsylvania, Seventeenth and Arch streets, Philadelphia. Brick, slag roof, metal lath, plumbing, heating, electric light. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

Garage, Beach and Poplar streets, Philadelphia, \$3,000. Architect, private plans. Owner, Clayton W. Nichols, on premises. Brick, 1 story, slag roof (heating reserved), electric light, cement floors. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

Factory (alt. and add.), 1332 Washington avenue, Philadelphia. Architect, John L. Bright, 1701 Chestnut street, Philadelphia. Owners, Penn Chemical Works, 1332 Washington avenue, Philadelphia. Reinforced concrete, hollow tile and brick, slag roof, electric lighting, Belgian blocks, waterproofing, fire doors, ventilators. Contract awarded to Nickson Duggan Const. Corporation, Bailey Building, Philadelphia.

Church (alt. and add.), Park and Montgomery avenues, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Third Church of Christian Scientist, on premises. Stone, 1 story, 50x60 feet, slate roof, vapor vacuum heating, electric lighting. Contract awarded to A. H. Williams' Sons, 419 Locust street.

Factory (add.), Twenty-fifth and Hunting Park avenue, \$14,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Edw. G. Budd Manufacturing Co., Twenty-fifth and Hunting Park avenue. Brick, steel and concrete, slag roof, steam heating, electric lighting, fire doors, metal lath, waterproofing. Consists of pickling and furnace building. Contract awarded to F. W. Mark Const. Co., Finance Building, Philadelphia.

korn Building, Wilkes-Barre, Pa. Owner's name withheld. Brick, 3 stories, 34x82 feet, slag roof, steam heating, electric lighting, wood floors, hollow tile, metal lath, store fixtures, metal bars. Plans in progress.

Building (alts.), North Penn ave., Wilkes-Barre, Pa., \$6,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner's name withheld. Plans in progress. Too early for details.

Hotel, Hudson, Pa., \$9,000. Architect, G. F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner's name withheld. Frame, 2½ stories, 28x40 feet, slate roof, steam heating, wood floors, electric lighting, metal lath. Plans in progress.

Store, Brookside, Wilkes-Barre, Pa., \$5,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, I. Sperling, Wilkes-Barre, Pa. Brick, 1 story, 60x60 feet, slag roof, electric lighting. Architect taking bids. The following are figuring: Eckenrode Bros., 115 Park avenue, Wilkes-Barre, Pa.; Kehoe & Mowery, 729 South Franklin street; M. L. Roth, 127 South Wells street; A. D. Thomas, 370 South Main street, all of

Wilkes-Barre, and Moses Griffith, 60 Maffett street, Plains, Pa.

High School, Ashley, Pa., \$50,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre. Owners, Board of Education, Thomas Cole, Ashley, Pa. Brick, stone and steel, 2 stories, 118x100 feet, slag roof, steam heating, composition floors, electric lighting, metal lath. Architect has received bids.

Residence, Pottsville, Pa., \$15,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, Thomas Pepper, Pottsville, Pa. Brick, stone trim, 2½ stories, 52x52 feet, slate roof, hot water heating, combination lighting, tile work, hardwood floors. Architect taking bids, due October 15th. (Note extension of time.)

Club House, Lebanon, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, B. P. O. E., No. 63, H. G. Louser, chairman, Lebanon, Pa. Brick, steel and stone, 2½ stories, 50x125 feet, composition roof, steam heating, electric lighting, hardwood floors, waterproofing. Architect has received bids.

Residence, Reading, Pa., \$30,000. Architect, Wayne M. High, 11 North Fifth street, Reading, Pa. Owner, Max Luria, 904 Colonial Building, Reading, Pa. Hollow tile or brick, 3 stories, 60x65 feet, tile roof, combination lighting, tile work, hardwood floors, waterproofing and dampproofing, vacuum system. Architect will sub-let all contracts.

Storage House, Mulberry street, north of Exeter street, Reading, \$8,000. Architect, private plans. Owners, Reading Transit and Light Co., West Reading, Pa. Galvanized iron, 1 story, 45x280 feet, slag roof, steam heating, electric lighting. Owners will sub-let all contracts.

Residences (2), southeast corner of Raymond and Ormont streets, Reading, \$3,400. Architect, private plans. Owner, David E. Gring, 524 Oley street, Reading, Pa. One brick and one frame, 2 and 1 story, 13x41 feet, tin roof, hot air heating, gas lighting. Owner will sub-let all contracts.

Garage, 120 South Fifth street, Reading, Pa. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, Wm. C. Matz, 120 South Fifth street, Reading, Pa. Brick, 2 stories, 24x30 feet, tin or slag roof, heating extension, electric lighting, composition and wood floors, fireproofing. Plans in progress. Will take bids in about two weeks.

Store (add.), 647 Penn street, Reading, Pa. Architect, Alex. F. Smith, 1029 Penn street, Reading, Pa. Owner, Ellis Mills, 647 Penn street, Reading, Pa. Brick, 1 story, 32x94 feet, slag roof, steam heating, electric lighting, hardwood floors, metal lath, waterproofing and dampproofing, fire doors. Architect has received bids.

Church and Sunday School, Allentown, Pa., \$15,000. Architect, Charles W. Bolton & Sons, Witherspoon Building, Philadelphia. Owners, St. Paul's Reformed Church, Rev. Senslinig. Hollow tile and stucco, 2 stories, 50x80 feet, slate roof, steam heating, electric lighting, waterproofing. Plans about completed. Architects will be ready for bids in about one week.

Garage, "Fairacres," Jenkintown, Pa. Architects, Wilson, Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, John W. Pepper, on premises. Stone and hollow tile, 1½ stories, 50x26 feet; 2 wings, 20x40 feet, slate roof, hot water heating, cement floors, electric lighting. Architect taking bids. R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia, are figuring (only bidders).

Fire House, Strode avenue, Coatesville, Pa. Architects, Kerns & Carroll, Pennegar Building, Coatesville, Pa. Owners, West End Fire Co., No. 3, Coatesville, Pa. Brick, 2 stories, 33x103 feet, slate and canvas roof, steam heating, electric lighting, maple floors, waterproofing. Architects have received bids.

Garage, Cynwyd, Pa. Architects, Savary

PENNSYLVANIA Construction News

School (and repairs to old school), Newtown, Pa. Architect, Edwin F. Bertollett, 1614 Cherry street, Philadelphia. Owners, School Board of Newtown, Newtown, Pa. Brick or stone, 2 stories, 76x82 feet, slate roof (heating and lighting reserved), pine and reinforced concrete floors, metal lath, metal sash, waterproofing, fire doors, ventilators. Architect taking bids, due October 7th at 4 P. M. Smith-Hardican Co., 1606 Cherry street; Jas. P. Farrell & Co., 1619 Sansom street, Philadelphia, and Harry E. Girton, Newtown, Pa., are figuring.

Association Building, South Washington st., Wilkes-Barre, Pa. Architects, Knapp & Bosworth, 15 South Franklin street, Wilkes-Barre. Owners, Y. M. C. A., Wilkes-Barre, Pa. Brick, terra cotta, steel, 3½ stories, 45x140 feet, slag and tile roof, electric lighting, hardwood, tile and reinforced concrete floors, waterproofing, dumb waiter, gymnasium, roof garden, bowling alleys, shower baths, metal lockers. Plans about completed. Architects will be ready for bids in about one week.

Store, North Main street, Wilkes-Barre, Pa., \$3,000. Architect, G. F. Schroeder, Weitzen-

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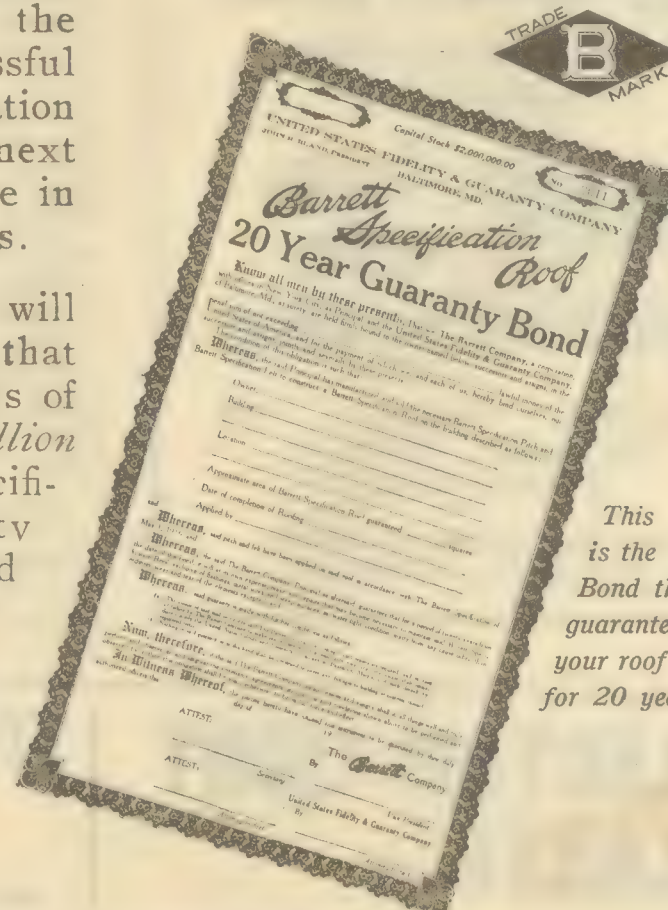
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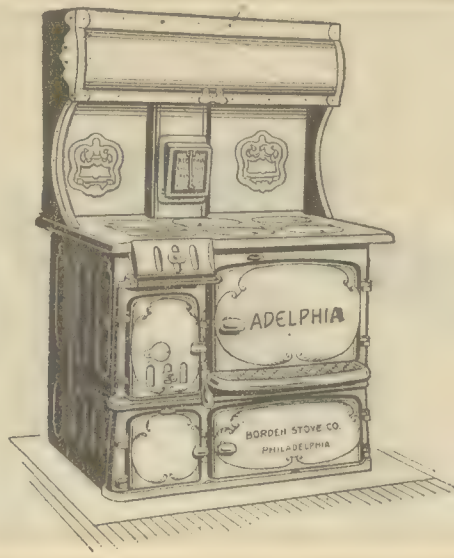
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& Scheets, Stephen Girard Building, Philadelphia. Owner, R. F. Tull, Cynwyd, Pa. Brick, 2 stories, slate roof, hot water heat, electric light. Architects taking revised bids. The following are figuring: Charles C. Pace, Merion, Pa.; John E. Kearney, 327 North Sixty-third street; W. O. Springer, 1624 Latimer street, Philadelphia, and J. Howard Roberts, Lansdowne, Pa.

Church, Chester, Pa. Architect, John Bergeson, 135 West 126th street, New York City. Owners, Russian Orthodox Greek Church, Chester, Pa. Brick, 1 story, 34x60 feet, asbestos shingle roof, steam heating, electric lighting, pine floors, metal lath, damp-proofing. Architect taking bids, due October 7th. E. R. Hall & Bro., 34 South Seventeenth street, Philadelphia, are figuring.

Club House, Conshohocken, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Penn Club, Conshohocken, Pa. Concrete blocks, frame, 2 stories, 30x75 feet, asbestos shingle roof, steam heating, electric lighting. Plans completed. Ready for bids.

Foundry, Troy, Pa. Engineers, Fletcher Thompson, Inc., Bridgeport, Conn. Owners, Troy Engine and Machine Co., Troy, Pa. Brick, reinforced concrete, hollow tile and terra cotta, 1 story, 144x80 feet, composition roof (heating and lighting reserved), cement floors, roof ventilators, rolling steel doors, safety treads, fire doors, iron stairs. Owners have received bids.

Residence, Stable, Garage, Ice House and Reservoir, Paradise Valley, Pa. Architect, B. J. Schweitzer, Stroudsburg, Pa. Owner, Clarence Wolf, 330 North Twelfth street, Philadelphia. Stone and frame, 2½ stories, 65x74 feet, shingle roof, 1 story, 49x21 feet, 26x26 feet, 24x30 feet and 16x22 feet, electric lighting, hardwood and concrete floors, hot air heating. Architect has received bids.

Armory, West Chester, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State Armory Board, care of Major Benj. Deming, Harrisburg, Pa. Brick, limestone trimmings, 1 and 2 stories, 65x90 feet, slag roof, metal lath, damp-proofing, terrazzo, marble and tile work, steel lockers (heating, plumbing and electric work separate bids.) U. S. Fidelity and Guaranty Co., Real Estate Trust Building, are ready for bids on completion of present contract.

Sanitarium (adds.), Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanitarium for

Tuberculosis, care of Dr. Samuel F. Dixon, 1900 Race street, Philadelphia. Consists of residence for Medical Directors, extension to dining building and alterations to ward building, 2 and 2½ stories, asbestos shingle roof (plumbing, heating and electric work separate bids), metal lath, iron stairs, kalamein doors, metal sash, yellow pine floors, fire escapes. U. S. Fidelity and Guaranty Co., Real Estate Trust Building, Philadelphia, are ready for bids on completion of present contract.

Freight House and Office, South Bethlehem, Pa. Architect, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Brick, concrete and steel, 1 and 2 stories, 30x230 feet, slag roof, hot water heating, electric lighting, pine floors, metal lockers, rolling steel shutters, steel sash. Owners have received bids.

Residence, Highland Park, Pa. Architect, Shore & Dodge, 608 Chestnut street, Philadelphia. Owners, School Board of Upper Darby Township, J. M. Lutz, secretary, Upper Darby Township P. O., Pa. Brick, 2 stories, 16x45 feet, shingle roof, hot air heating, electric lighting. Owners taking bids, due October 10th.

Residence, Lansdowne, Pa. Architect, Edwin G. Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, F. S. Underhill, Lansdowne, Pa. Frame and plaster, 2½ stories, 24x40 feet, shingle roof, hot water heating, electric lighting, pine floors. Architect taking revised bids. Quantin & Moorhouse, Media, Pa., and J. Howard Roberts, Lansdowne, Pa., are figuring.

Bungalow, Glenside, Pa. Architect, R. H. Pepper, 1808 North Seventh street, Philadelphia. Owner, Andrew J. Weakley, Glenside, Pa. Frame, 1½ stories, 26x44 feet, asbestos shingle roof, hot air heating, electric lighting, pine floors. Architect taking sub-bids, due October 6th.

Store and Apartments, 309 Edgemont st., Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. C. Taylor, Cambridge Trust Building, Chester. Brick, terra cotta, 3 stories, 20x68 feet, slag roof, electric lighting, hardwood floors, tile work. Plans in progress.

Store and Apartments (alt.), Edgemont avenue, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. C. Taylor, Chester, Pa. Brick, 3 stories, slag roof. Plans in progress.

School, Whitpain Township, Pa., \$15,000.

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Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, School Board of Whitpain Township, Pa. Stone, terra cotta, brick and hollow tile, 3 stories, concrete floors (plumbing, heating, electric work and water system separate bids), 31x30 feet. Architects taking bids (revised), due October 9th. The following are figuring: Wills-Ludwick Co., 34 South Seventeenth st.; Alex. Chambley, 243 South Tenth street; Specht & Sperry, Heed Building; F. T. Mercer, 1706 Delanco street, Philadelphia; Frank R. Heavner, Norristown, Pa.; Howard S. Amey, Ambler, Pa.; W. Ross Biesel, Hatfield, Pa.; Wm. D. Lukens, North Wales, Pa.; Walter Shaeff, Blue Bell, Pa.; P. J. Hurley, 1233 Cherry street, Philadelphia.

Bridge, over Schuylkill River, Conshohocken, Pa. Architect, B. H. Davis, Whitehall Building, New York City. Owners, County Commissioners, Norristown, Pa. Reinforced concrete, 33 feet wide. Plans in progress.

Store and Apartments, Edgemont avenue, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. C.

Taylor, Cambridge Trust Building, Chester, Pa. Brick, terra cotta, 3 stories, 20x68 feet, slag roof, electric lighting, hardwood floors, tile work. Architect has received bids.

Comfort Station, Bala, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Lower Merion Township Commissioners, Joseph Kerbaugh, Commissioner, Lower Merion Township. Brick, hollow tile and plaster, 1 story, 31x16 feet, shingle roof (heating and plumbing reserved), cement floors, marble work, metal lath. Architect taking bids, due October 6th. Specht & Sperry, Heed Building, and Wm. H. Eddleman & Son, 453 Green Lane, Roxborough, Philadelphia, are figuring.

Garage and Kennels, Springfield, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, Charles Este, Jr., Widener Building, Philadelphia. Hollow tile and plaster, 1½ stories, 30x23 feet, tile roof, hot water heating, electric lighting. Plans in progress. Architects will take bids in one week.

PENNSYLVANIA Contracts Awarded

Garage, Laverock, Pa. Architect, John J. Graham, Jr., 732 Real Estate Trust Building, Philadelphia. Owner, Wm. C. Wetherill, Springfield avenue and P. R. R. Stone, 2 stories, 25x65 feet, shingle roof, steam heating, cement floors, electric lighting, metal lath. Contract awarded to John Duncan, 920 Walnut street, Philadelphia.

Garage (add.), Dallas, Pa., \$2,000. Architects, Newberry & Foster, Wilkes-Barre, Pa. Owner, W. F. Newberry, Wilkes-Barre, Pa. Frame, 2 stories, 20x20 feet, shingle roof, electric lighting. Contract awarded to Walborn & Barney, 175 Race street, Wilkes-Barre, Pa.

Stable, Wilkes-Barre, Pa., \$8,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner's name withheld. Brick, 2 stories, 110x25 feet, slag roof, wood floors. Contract awarded to Kerns Bros., 213 Turner street, Wilkes-Barre, Pa.

Store and Office Building, Hazleton, Pa., \$30,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Lehigh Coal and Navigation Co., Hazleton, Pa. Brick, hollow tile and stucco, 2 stories,

45x150 feet, composition roof, steam heating, electric lighting. Contract awarded to Hugh L. Campbell, Poplar and Noble streets, Hazleton, Pa.

Store (1) and Apartments (14), South Washington street, Wilkes-Barre, Pa., \$50,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, W. H. Mayoock, South Washington street, Wilkes-Barre, Pa. Brick, steel, cut stone, 4 stories, 40x135 feet, slag roof, steam heating, combination lighting, hardwood and tile floors, waterproofing and dampproofing, metal ceilings, dumb waiters. Contract awarded to Otto Behrens, 179 Blackman street, Wilkes-Barre, Pa.

Church, Plymouth, Pa., \$18,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owners, Welsh Congregational Church, Rev. Boaz. Brick, stucco and shingle, 1½ stories, 40x100 feet, slate roof, steam heating, electric lighting, composition floors, metal lath, dampproofing. Contract awarded to Reynolds & Co., 7 West Shawnee avenue, Plymouth, Pa.

Residence (alt.), Haverford, Pa., \$40,000.

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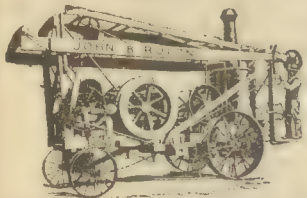
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Architects, Wilson Eyre & McIlvaine, 1003 Spruce street. Owner, Horatio G. Lloyd, Drexel & Co., Fifth and Chestnut streets, Philadelphia. Stone walls, ornamental iron fences and sunken gardens. Contract awarded to J. S. Cornell, Land Title Building.

Store and Office Building, Hanover, Pa., \$133,500. Architect, Charles M. Anderson, 324 North Charles street, Baltimore. Owners, Sheppard & Myers, Hanover, Pa. Brick, steel, hollow tile and terra cotta, 4 stories, 115x110 feet, slag and tin roof, steam heating, electric lighting, waterproofing, tile work, ventilators, fire doors, metal lath, elevator, ornamental iron work. Contract awarded to O. H. Hostetter, Hanover, Pa.

Garage, Cynwyd, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, H. M. Coale, Cynwyd, Pa. Stone, 2 stories, slate roof, hot water heating, electric lighting. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Residence (alt. and add.), Ridley Park, Pa. Architect, private plans. Owner, Mrs. J. H. Bentley, on premises. General interior alterations, new porches, brick walls and paving, slate and slag roof, electric lighting. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street, Philadelphia.

Sub-Station and Garage, Erie, Pa. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Erie Lighting Co., Erie, Pa. Brick and steel, 1 and 2 stories, 48x84x50 feet slag roof. Contract awarded to Henry Shenk, Erie, Pa.

Bridge, over Schuylkill River, at Pottsville Junction. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Steel and concrete, waterproof-

ing. Contract awarded to John Donahoe, Mahanoy City, Pa.

Bridge, over Pennypack Creek, East of Bryn Athyn, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Steel and concrete, waterproofing. Contract awarded to J. E. Brenneman Co., 1523 South Front street.

Pattern Storage Building (alt. and add.), Nicetown, Pa., \$3,000. Architect, private plans. Owners, Midvale Steel Co., on premises. Brick, 1 story, slag roof, general alterations. Contract awarded to Barclay White & Co., Perry Building, Philadelphia.

Residence, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Mrs. Cornelia Bowen Kinzer, Lansdowne, Pa. Stone, 2½ stories, 28x56 feet, slate roof, electric lighting, hardwood floors, tile work (warm air heating reserved). Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Telephone Exchange, Third street, Union avenue and Sydney street, Crafton, Pa. Architect, J. T. Windrim, Commercial Building, Philadelphia. Owners, Bell Telephone Co., 1230 Arch street. Brick, 3 stories and basement, slag roof, electric lighting, steam heating. Contract awarded to Miller Const. Co., 530 Fernando street, Pittsburgh, Pa.

Parochial School, Larksville, Pa., \$16,000. Architect, James A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner, Rev. Wiczock, Nesbit street, Wilkes-Barre, Pa. Frame, 2 stories, 40x72 feet, shingle roof, steam heating, electric lighting, concrete and yellow pine floors, ventilators, metal ceilings. Contract awarded to Menevitch Co., Edwarsville, Pa.

NEW JERSEY

Construction News

Church (alt. and add.), Atlantic avenue, Atlantic City, \$25,000. Architects, Smith & Henderer, Atlantic City, N. J. Owners, Chelsea Baptist Church, Rev. T. J. Crewes. Stone and brick, 1½ stories, 65x75 feet, slate roof, steam heat, electric lighting, cork tile and oak floors, waterproofing and dampproofing. Will take bids in a few days.

Hotel and Pier, Ocean City, N. J., \$600,000. Architects, Headley & Shull, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick and plaster, Caen stone finish, 8 stories, 200x100 feet; 3 wings, 100x35 feet, 100x40 feet, 100x40 feet; hardwood floors, composition floors, tile work, slag and tile roof, steam heating, electric lighting, 2 concrete and brick fire towers, fire doors, safety treads, dampproofing, cabinet work, skylights, marble work, artesian well, storage water

tank. Plans in progress.

Apartment, 114 South Pennsylvania avenue, Atlantic City, N. J., \$150,000. Architect, J. Ogden, Atlantic City, N. J. Owner, J. R. O'Reiley, Atlantic City, N. J. Brick, reinforced concrete, terra cotta, cut stone, 5½ stories, 108x114 feet, slag roof, hot water heating, electric light, tile work, hardwood floors, cabinet work, refrigerators, vacuum system, electric elevators, metal sash, marble work, circulating hot water system, fire escapes. Architect taking bids. Charles Thompson, Taylor & Sons and Samuel Headley, all of Atlantic City, N. J., are figuring.

High School, Cape May, N. J., \$40,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Board of Education, Cape May, N. J. Brick, stone trim, 2 stories, 104x110 feet, slag roof (heat-

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ing, electric work and plumbing separate bids), iron stairs, safety treads, kalamein doors, slate blackboards. Plans in progress.

Store and Apartments, 1225 Arctic avenue, Atlantic City, \$8,000. Architect, private plans. Owner, Sarah Miller, on premises. Brick, 3 stories, 23x60 feet, slag roof, hot water heating, combination lighting. Owner will take bids.

Dairy, North Broad street, Trenton, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Castanea Dairy Co., 234 North Broad street, Trenton, N. J. Brick, 2 stories, 35x50 feet, slag roof, electric lighting, concrete floors. Architects have received bids.

Store Building, Broad and Perry streets, Trenton, N. J. Architect, S. Poland, Capitol Building, Trenton, N. J. Owner, Mrs. C. J. Wilson, Trenton, N. J. Brick, 2 stories, 52x65 feet, slag roof, steam heating, electric lighting, tile and wood floors, metal lath. Architect has received bids.

Garage, West Hanover street, Trenton, N. J. Architect, Wm. P. Endebrock, American Mechanics' Building, Trenton. Owners, City of Trenton, City Hall, Trenton, N. J. Brick and steel, 2 stories, 60x88 feet, slate roof, steam heating, electric lighting, reinforced concrete floors, metal sash, fire doors, damp-proofing. Architect has received bids.

Post Office, Woodbury, N. J. Architect, James Wetmore, Supervising Architect, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Architect taking bids, due October 31st. Plans can be obtained from custodian at Woodbury or from Supervising Architect, Washington, D. C.

Garage, North California avenue, Atlantic City, N. J., \$10,000. Architects, Stout & Riebenack, Guarantee Trust Building, Atlantic City. Owners, Wheeler & Dreher, Atlantic City, N. J. Reinforced concrete and brick, 1 story, 50x80 feet, slag roof, steam heating, electric lighting, cement floors, damp-proofing.

Residence, Burlington, N. J., \$9,000. Architect, Henry A. Brown, Burlington, N. J. Owner, Henry A. Brown, Burlington, N. J. Hollow tile and brick, 2½ stories, 56x23 feet; wing, 23x15 feet; slate roof, steam heating, electric lighting, tile and hardwood floors, damp-proofing. Architect will sub-let all contracts.

Residence, Stuyvesant avenue, Trenton, N. J., \$6,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Russell Fleron, Trenton, N. J. Brick, 2½ stories, steam heating, electric lighting. Architects are sub-letting all contracts.

Garage, West Hanover street, Trenton, N. J. Architect, Wm. P. Endebrock, American Mechanics' Building, Trenton, N. J. Owners, City of Trenton. Brick, 2 stories, 60x88 feet, slate roof, steam heating, electric lighting, reinforced concrete floors, damp-proofing, metal sash, fire doors. Owners have received bids.

Residence, Richards avenue and Beach, Ventnor, N. J., \$8,000. Architects, Smith & Henderer, Sheen Building, Atlantic City, N. J. Owner, Thomas Sheen, Sheen Building, Atlantic City, N. J. Frame and shingle, 2 stories, 32x40 feet, slate roof, steam heating,

combination lighting, hardwood floors, tile work. Architects are ready for bids.

Garage, New Jersey avenue and Beach, Atlantic City, \$10,000. Architects, Smith & Henderer, Atlantic City, N. J. Owners, Hotel Breakers, Charles R. Meyers, on premises. Brick or hollow tile, 1 story, 50x100 feet, reinforced concrete slag roof, steam heating, electric lighting, concrete floors, storage gas tank. Plans in progress.

Sea Wall, Jetties and Wall, Longport, N. J., \$300,000. Engineers, Case Coast Protection Corporation, New York City. Owners, Borough of Longport, care Mayor Harcourt. Reinforced concrete. Wall, 6,090x16 feet; promenade, 6,090x14 feet; jetties, 300x6 feet; 3,045 reinforced concrete pillings, concrete hardener. Plans about completed. Owners will be ready for bids in about one week.

Residence and Garage, Princeton avenue and Beach, Ventnor, \$15,000. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City. Owner, J. M. Mauser, Ventnor, N. J. Brick and stucco, 3 stories, 34x44 feet, tile roof, hot water heating, electric lighting, tile work, hardwood floors, tile porch floors, cabinet work, damp-proofing. Architect taking bids, due October 12th. Hampton Bros., Harry Scull and Ellsworth Smith, all of Atlantic City, N. J., are figuring.

Residences (3), Buffalo avenue and Ventnor avenue, Ventnor, \$12,000. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City, N. J. Owner W. I. Hart, Risley's Hotel, Atlantic City, N. J. Frame, 2 stories, 24x36 feet, slate roof, hot water heating, combination lighting, tile floors. Owner will take bids.

Residence, 139 South Delancey Place, Atlantic City, \$18,000. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City, N. J. Owner, Mrs. M. C. Calif, Atlantic City, N. J. Brick and stucco, 3 stories, 36x52 feet, green slate roof, hot water heating, electric lighting, tile work, hardwood floors, 6 baths, 5 fireplaces, damp-proofing. Architect taking bids. Ellsworth Smith, Atlantic City, is only bidder.

Apartment (alt. and add.), 19 South Virginia avenue, Atlantic City. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City. Owner, S. G. Dobbins, 16 South Tennessee avenue, Atlantic City. Frame, 3 stories, 20x75 feet, slag roof, electric lighting, tile floors (hot water heating reserved). Architect taking bids. H. G. Scull, E. Ellsworth Smith, Charles S. Carson, Biddle & Saner, and George Piefer, all of Atlantic City, are figuring.

Residence, Mantua avenue and Glassboro road, Wenonah, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, R. H. Comey, Wenonah, N. J. Brick, 2½ stories, 55x47 feet, shingle roof, hot water heating, electric lighting (plumbing, heating, electric work and tile work reserved). Revised plans in progress.

School Building, Laurel Springs, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Board of Education, Laurel Springs, N. J. Brick, stone trim, 2 stories, 87x50 feet (heating, ventilating, plumbing and electric work separate bids).

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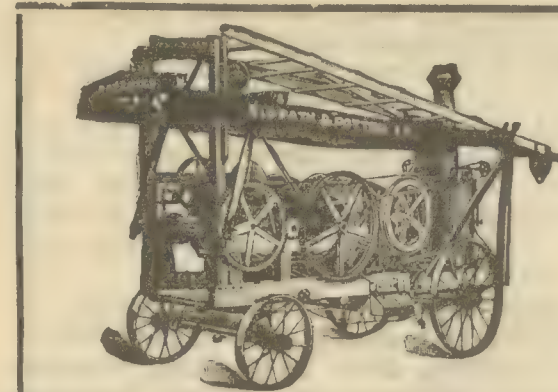
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Lowest bidder, Joseph B. Rowen, Moorestown, N. J., \$19,200.

Dormitory Building, Hightstown, N. J. Architect, John F. Jackson, 1326 Broadway, New York City. Owners, Peddie Institute, Hightstown, N. J. Brick, reinforced concrete, hollow tile, terra cotta and plaster, 3 stories, 114x52 feet, and 2 wings 31x63 feet, slag and slate roof (heating reserved), electric lighting, oak floors, metal lath, dampproofing, marble and tile work, dumb waiter, slate blackboards, vacuum cleaner system, iron stairs, metal window guards, kalamein doors, roof ventilators, cabinet work. Architect taking bids, due October 5th. F. L. Hoover & Son, 1023 Cherry street, Philadelphia, are figuring.

Hotel, Virginia avenue and Boardwalk, Atlantic City, \$1,500,000. Architects, Hewitt & Granger, Bullitt Building, Philadelphia. Owners, Du Pont Co. care of architects. Reinforced concrete, brick and terra cotta. 18 stories, 100x350 feet, tile roof, steam heating, electric lighting, hardwood floors, tile and composition floors, waterproofing and damp-



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proofing. Plans in progress. Too early for details.

Residence, Plaza Place, Ventnor, N. J. Architect, J. Elvin Jackson, 727 Walnut street, Philadelphia. Owner, George W. Shisler, Eleventh and Wolf streets, Philadelphia. Stone, frame and stucco, 3 stories, 30x38 feet, slate roof, hot water heating, hardwood and tile floors, combination lighting metal lath, cabinet work. Owners taking bids.

Residence, Cadwalder Heights, Trenton, N. J. Architect, Walter Thomas Mayo, 1703 Chestnut street, Philadelphia. Owner, Paul G. Duryea 709 Monmouth avenue, Trenton, N. J. Stone, 3 stories, 28x42 feet, slate roof, hot water or hot air heating, hardwood floors and tile work, electric lighting. Plans about completed. Architect ready for bids in two weeks.

Church, Pennsgrove, N. J., \$20,000. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner, Rev. Charles Dubell, Church of Our Merciful Saviour, Pennsgrove, N. J. Hollow tile, stone and terra cotta, 1½ stories, 92x38 feet, shingle roof, heating not decided, metal sash, cabinet work, tile and marble work (reinforced concrete floors reserved). Architect taking bids, due October 12th. The following are figuring: E. R. Hall, 34 South Seventeenth street; Elfret & Co., 1708 Sansom street, Philadelphia; George W. Shaner & Sons, Palmyra, N. J.; B. F. Darlington, Salem, N. J., and A. S. Reed & Bro. Co., 815 Shipley street, Wilmington, Del.

Residence and Garage, Bridgeton, N. J., \$10,000. Architects, Custer & Zeltzer, 304 Market street, Camden, N. J. Owner, Wm. T. Barker, care of architect. Hollow tile and stucco, 2½ stories, 18x18 feet and 40x30 feet, shingle roof, hot water heating, hardwood floors, electric lighting, hollow tile. Plans in progress.

Dam, Haddonfield, N. J., \$4,500. Engineers, Remington & Vosbury, Sixth and Market sts., Camden, N. J. Owners, Borough of Haddonfield, Haddonfield, N. J. Reinforced concrete and steel. Plans in progress.

Residence and Garage, Bridgeton, N. J., \$8,000. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owner's name withheld. Hollow stile and stucco, 2½ stories, 40x36 feet, shingle roof, electric lighting, steam heating, hardwood and cement floors, tile work, hollow tile. Plans in progress.

Club House Woodbury Heights, N. J. Ar-

chitect, Oliver R. Parry, 1631 Chestnut street, Philadelphia. Owner, Atwold Country Club, Woodbury Heights, N. J., care of John Mayhew, president, 128 Federal street, Camden, N. J. Frame and plaster, 2 stories, 37x105 feet, shingle roof (decorating, hardwood floors, electric fixtures, metal lockers and kitchen equipment, sewage disposal system, vacuum cleaner system reserved), cement and canvas floors, metal lath, marble and tile work, dumb waiter. Architect has received revised bids.

Blacksmith Shop, Battery "B," Camden, N. J., \$850. Architect, George S. Drew, State Capitol, Trenton, N. J. Owner, Capt. Barnard, State of New Jersey, Camden, N. J. Frame and sheet iron, 1 story, 16x44 feet, galvanized sheet iron roof, ventilators, metal window guards. Plans about completed. Will take bids shortly.

Laundry Building, Soldiers' Home, Vine-land, N. J., \$5,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State of New Jersey, Trenton, N. J. Brick, 1 story, 63x43 feet, slag roof, steam heating, wood and maple floors and concrete floors, electric lightin, laundry equipment. Plans about completed.

Electrical Bureau and Garage, West Hanover street, Trenton, \$70,000. Architect, W. P. Endebrock, American Mechanics' Building, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Brick, concrete, hollow tile stone and terra cotta, 2 stories, 64x40 feet and 60x88 feet, slate roof (heating and lighting reserved), metal lath and sash, waterproofing and dampproofing, fire doors, ventilators, safety treads, dumb waiters, electric freight elevator, tile and marble work, rolling steel shutters, gasoline storage system, concrete floors. Lowest bidder, S. W. Mather & Sons, L03isbon street, Trenton, N. J.

Double Cottage, New Lisbon, N. J., \$7,000. Architect, George S. Drew, Capitol Building, Trenton N. J. Owners, State of New Jersey, Home for Feeble Minded Men, Trenton, N. J. Frame and stucco and reinforced concrete, 1 and 2 stories, 56x50 feet, cement roof, electric lighting, steam heating, tile, wood and cement floors, cement porches. Owners taking bids, due October 10th at 3 P. M. The following are figuring: Edward Fay & Son, 2 South Mole street, Philadelphia; J. S. Rogers Co., Moorestown, N. J., and Frederick Lange, Audubon, N. J.

NEW JERSEY

Contracts Awarded

School, Cream Ridge, Monmouth County, N. J., \$5,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners Board of Education, Upper Freehold

Township. Brick, 1½ stories, 29x47 feet, asbestos shingle roof, hot air heating, concrete and gum flooring. Contract awarded to H. W. Beatty, Allentown, N. J.

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EUGENE E. NICE, Manufacturer, PHILADELPHIA, PA. and CAMDEN, N. J.

Residence (alt. and add.), 408 Cooper st., Camden, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owner, J. L. Mahaffey, 526 North Seventh street, Camden, N. J. Brick, 3 stories, hot water heating, electric lighting, tile work. Contract awarded to J. W. Draper, Camden, N. J.

Church, Collingswood, N. J. Architects, Chas. W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Collingswood Presbyterian Church. Stone and brick, concrete and artificial stone, 1 story, 67x77 feet, slate and slag roof, wire and wood lath, cement floors. Contract awarded to George Bachman, 19 North Thirtieth street, Camden, N. J.

Milk House, Glen Gardner, N. J., \$1,500. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Tubercular Sanatorium, Glen Gardner, N. J. Hollow tile, 1 story, 27x17 feet, slag roof, electric lighting, concrete floors. Contract awarded to John D. Hornby, Glen Gardner, N. J.

Cottages (2), Bordentown, N. J., \$5,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, State Industrial School, Bordentown, N. J. Frame, 2½ stories, 30x19 feet, shingle roof, steam heating, electric lighting. Contract awarded to Chas. H. Fenimore, Bordentown, N. J.

Cow Barn Extension, Glen Gardner, N. J., \$1,500. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, Tuberculosis Hospital, Glen Gardner, N. J. Hollow tile, 1 story, 31x36 feet, slag roof, electric lighting. Contract awarded to John D. Hornby, Glen Gardner, N. J.

Church, Trenton, N. J., \$40,000. Architects, Slack & Son, American Mechanics' Building, Trenton. Owners, Gethsemane Baptist Church, Rev. C. P. Newton, 214 Garfield avenue, Trenton, N. J. Brick, 1 story, 62x34 feet, slate roof, steam heating, electric lighting. Contract awarded to Burton & Burton, Trenton, N. J.

Apartment, Massachusetts and Calloway

avenues, Atlantic City. Architect, B. Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, Dr. Philip I. Marvel, Atlantic City, N. J. Brick and stone trim, 4 stories, 90x43 feet, slag roof, asbestos shingle roof, hot water heating, electric lighting, tile work, hardwood floors, waterproofing, marble work. Contract awarded to P. G. Hannum, Atlantic City, N. J.

Residence, Woodbury, N. J. Architect, Charles R. Pédde, 136 South Fourth street, Philadelphia. Owner, M. E. Douglass, Woodbury, N. J. Stone and frame, 2½ stories, 74x32 feet, shingle tile and canvas roof (heating and lighting reserved) wood and concrete floors. Contract awarded to Joseph B. Best, Woodbury, N. J.

Residence and Garage, Atlantic City, N. J. Architect, P. J. Kluges, 1012 Walnut street, Philadelphia. Owner, Wm. Riddle, Atlantic City, N. J. Brick, hollow tile and plaster, 2½ stories, 63x55 feet, tin and tile roof, electric lighting, oak floors, cabinet work and tile work. Contract awarded to Samuel H. Headley, Atlantic City, N. J.

Sewage System, Pitman, N. J., \$125,000. Engineers, Remington & Vosbury, Sixth and Market streets, Camden, N. J. Owners, Borough of Pitman, N. J. Concrete, terra cotta, waterproofing. Contract awarded to James E. Bunting Co., Pitman, N. J.

Garage, 127 Jackson street, Trenton, N. J., \$500. Architect, J. P. Pette, 131 Jackson street, Trenton, N. J. Owner, Joseph Lavine, on premises. Brick, 1 story, 14x22 feet, tin roof, concrete floors, electric lighting. Contract awarded to Charles J. Smith, 45 Lincoln avenue, Trenton.

Stores and Apartments, Roebling, N. J., \$7,000. Architect, J. P. Pette, 131 Jackson street, Trenton, N. J. Owner, Stephen Kortefay, Roebling, N. J. Brick, 2 stories, 33x74 feet, slag roof, electric lighting, concrete and yellow pine floors, metal sash. Contract awarded to Glancey & Brown, Roebling, N. J.

Equitable Building, Baltimore, Md. Owners, Nazareth Lutheran Church, Rev. Walter B. Obermeyer, 724 Dolphin street, Baltimore, Md. Brick, 2 stories, 22x30 feet, slag roof, hot water heating, electric lighting, tile baths. Plans in progress. Will be ready for bids in a few days.

Garage, 73-75 West West street, Baltimore, Md., \$5,000. Architects, Callis & Callis, 2055 Kennedy street, Baltimore, Md. Owners, Southern Garage Co., J. E. Harvey, on premises. Brick and concrete, 1 story, slag roof, electric lighting. Plans in progress.

Residence, Millbrook road, Guilford, Md. Architect, Edw. L. Palmer, Munsey Building, Baltimore, Md. Owners, Misses Nickerson, Sunbury, Pa. Brick, 2½ stories, slate roof, hot water heating, electric lighting, plumbing. Architect taking revised bids, due October 12th. Gladfelter & Chambers, Thirty-sixth street and Roland avenue; E. G. Turner, 15 East Fayette street, and G. W. Tovell, 401 McCulloh street, and the Roland Park Co., Roland Park, Md., are figuring.

Residences (16), Bentalou street, between Riggs and Mosher streets, Baltimore. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore. Owner, James Yeatman, 4742 Park Heights avenue, Baltimore, Md. Brick, 2 stories, slag roofs, hot water heating, combination lighting, plumbing. Owner is ready for sub-bids on all lines.

Walls around Church, Culpeper, Va. Architects, Machen, Owen & Owings, 347 North Charles street, Baltimore. Owners, St. Stevenson's Episcopal Church, Culpeper, Va. Brick and iron, 250 feet. Architects taking bids, due October 6th. The following are figuring: W. E. Harn Co., 213 North Calvert street; Cowan Building Co., 106 West Madison street; Henry S. Rippel, 7 Clay street, all of Baltimore, Md.; Gordon Thomas, Morris & Morris, C. W. Reynolds, all of Culpeper, Va., and Rust Const. Co., Pittsburgh, Pa.

Dormitory, Curtis Bay, Md., \$7,500. Architect, James R. Edmunds, Munsey Building, Baltimore. Owners, Davidson Chemical Co., Garrett Building, Baltimore. Brick, concrete and frame, shingle roof, steam heating, electric lighting, plumbing, slate work. Architect taking bids, due October 11th. J. H. Smith, 1426 Light street; Henry A. Knott, 1340 North Eden street; John C. Clark & Son, 1925 Pennsylvania avenue, and Gladfelter & Chambers, Thirty-sixth street and Roland avenue, all of Baltimore, Md., are figuring.

Factory Buildings, Fifteenth, Sixteenth and Sixth and Eighth avenues, Canton, Md. Architect, private plans. Owners, Cocoonut Products Corporation, Canton, Md. Lessees, Canton Co., Commerce and Water streets, Baltimore. Brick and concrete and steel, 5 stories, 117x317 feet, slag roof, fire doors, metal windows and sash (heating, lighting and plumbing reserved). West Const. Co., American Building, Baltimore, is figuring.

School and Convent Building, \$40,000. Architect, Hugh I. Kavanaugh, 226 East Eager street, Baltimore, Md. Owners, SS. Philip and

MARYLAND

Construction News

Factory Building, Bayard and Russell sts., Baltimore, Md. Architect, John Freund, Jr., 11 East Lexington street, Baltimore. Owners, Swindell Bros., on premises. Brick, 3 stories, 32x73 feet, slag roof, electric lighting. Plans about completed. Architect will be ready for bids in a few days.

Factory, Westport, Md., on Baltimore and Ohio Railroad. Engineers, G. E. Painter Co., 324 North Charles street, Baltimore, Md. Brick, 2 stories and basement, 253x580 feet, plastic roof, concrete floors, skylights, steel rolling door, dumb waiter (plumbing, electric wiring, heating reserved). Plans in progress.

Garage and Apartment, 1101 Eutaw street, Baltimore, Md., \$5,000. Architects, Callis &

Callis, 2055 Kennedy street, Baltimore, Md. Owner, Mrs. George Doberman, 1100 Eutaw street, Baltimore, Md. Brick, 1 and 3 stories. Plans in progress. Too early for details.

Theatre, Cross and Light streets, Baltimore, Md. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owners, McHenry Theatre Co., Henry W. Webb, Fidelity Building, Baltimore. Brick, stone or terra cotta trim, fireproof, reinforced concrete and steel, slag roof, electric lighting, steam heating, cement, tile and cork tile flooring, terrazzo work, plumbing. Plans completed. Will be ready for bids October 5th.

Parsonage, First avenue and Bank street, Baltimore, Md. Architects, Blanke & Zink,

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James R. C. Church, Rev. John E. Wade, North Charles street and Twenty-seventh street, Baltimore, Md. Brick, 3 stories, 87x150 feet, slag roof, reinforced steel and concrete, cement and concrete floors, dampproofing, fire doors, slate blackboards, tile and marble, plastering, refrigerator (heating, plumbing, electric wiring and vacuum cleaner reserved). Architect taking revised bids, due

October 5th. The following are figuring: Price Concrete Const. Co., Maryland Trust Building; J. J. Walsh & Sons, 1533 Maryland avenue; E. D. Keating 2213 West Baltimore street; Joseph Schamberger, 2122 East Baltimore street; Monmonier & Sorrell, 1711 McCulloh street; A. Knell, Jr., 215 St. Paul st.; John J. Moylan, 117 East Center street, all of Baltimore, Md.

Dwelling, 620 West Upsal street, \$1,000. H. K. Marville (O), on premises. Gruhler (C), 219 High street. Alterations and repairs.

Store and Dwelling, 2640 Germantown avenue, \$500. S. E. Reaney (O), 5412 North Fifth street. George R. Dewees (C), 311 Grange avenue. Flush bulks, repairs.

Garage, Marvine street, north of Lamer-ville avenue, \$425. James Fredericks (O), 5413 North Twelfth street. George R. Dewees (C), 311 Grange avenue. Brick, 1 story, 25x30 feet, slag roof.

MARYLAND

Contracts Awarded

Store (alts.), 311 North Charles street, Baltimore, Md., \$7,000. Architects, Sparklin & Childs, Law Building, Baltimore, Md. Owners, Auman & Werkmeister 16 West Lexington street, Baltimore, Md. New front, tile work, granite base, copper and steel work. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Sub-Station, Guilford avenue and Oliver street, Baltimore, Md. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore, Md. Owners, Crown Cork and Seal Co., on premises. Brick, terra cotta trim, 1 story, 40x81 feet, slag roof, steel rolling doors, fire doors, concrete work. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Miscellaneous Construction News

Apartment House, St. Petersburg, Fla. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, W. J. Warrington, St. Petersburg, Fla. Hollow tile and rough cast, 3 stories, slag roof, electric lighting. Plans in progress.

Freight Station, Seneca and Louisiana sts., Buffalo, N. Y. Architect, C. P. MacArthur (engineer), Buffalo, N. Y. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, steel, concrete and asbestos protected metal, 1 story, 430x30 feet, slag roof, electric lighting, maple floors (cement and structural steel reserved), rolling steel doors. Owners have received bids.

Parish House, Wilmington, Del., \$32,000.

Architect, E. James Dallett, Equitable Building, Wilmington, Del. Owners, St. Andrew's Episcopal Church, Rev. R. W. Trapnell, 910 Madison street, Wilmington, Del. Brick and terra cotta, 3 stories, 60x50 feet, slag roof, steam heating, electric lighting. Contract awarded to W. D. Haddock & Co., 804 Orange t. Wilmington, Del.

Residence (alt. and add.), Kennett Pike, Wilmington, Del., \$4,000. Architect, Robeson L. Perot, 34 South Seventeenth street, Philadelphia. Owner, Ernest du Pont, on premises. Brick, 3 stories, addition, 19x42 feet, shingle roof, hot water heating, electric lighting, pine floors. Contract awarded to E. R. Hall & Bro., 34 South Seventeenth street, Philadelphia.

Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912.

Editor, J. Irving Dillon, 5716 Christian street Philadelphia.

Managing Editor, none.

Business Manager, none.

Publishers, Building News Publishing Co., Perry Building, Philadelphia.

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Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,

Louis S. DeLone, President.

Sworn and subscribed before me this 19th day of September, 1916.

Edward J. Toole, Notary Public.

(My commission expires Jan. 21, 1917.)

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 25, 1916.—Sealed proposals will be opened in this office at 3 P. M., October 31, 1916, for the construction, complete, of the United States post office at Woodbury, N. J. Drawings and specifications may be obtained from the custodian of site at Woodbury, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 2, 1916.—Sealed proposals will be opened in this office at 3 P. M. November 14, 1916, for the construction of the United States post office at Media, Pa. Drawings and specifications may be obtained from the custodian of the site at Media, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Store and Dwelling, 1847 North Second street, \$650. Mrs. Mary McAleer (O), on premises. Jacob Gaerlner (C), 2214 North Third street. Alterations and repairs.

Tenement, 608 Spruce street, \$600. George Weber (O), 482 North Third street. Brawnnerworth & Co. (C), 1611 Sanson street. Fire escapes.

Machine Shop, 2857-65 North Ruth street, \$7,000. James Hilton, 3829 Frankford avenue. F. A. Havens (C), 845 North Nineteenth street. One-story brick addition, 72x90 feet, slag roof.

Factory, Broad and Race streets, \$800. Earley & Hurley (O), on premises. A. P. Fraim (C), 319 Market street. Flush bulk, alterations.

Machine Shop, north side of Wurich street, east of State road, \$29,000. Harry Disston (O), Tacony, Philadelphia. The Austin Co. (C), Transportation Building. Steel, 1 story, 73x150 feet, protected metal roofing.

Dwelling, 1702 North Forty-second street,

\$1,200. Joseph Solomon (O), on premises. Max Kane (C), 871 North Sixth street. Brick, 1 story, 15x10 feet, slag roof.

Dwelling 3135 Ridge avenue, \$600. Louis Berman (O), on premises. Aaron Richer (C), 2618 Ridge avenue. One-story rear addition, brick, 5x15 feet, flush bulks, slag roof.

Electric Sign, Front and Northeast Boulevard, \$300. Philadelphia Sign Co. (O and C), 131 South Eleventh street. Electric sign.

Ferris Wheel, Woodside Park \$2,000. Annie Shaw (O), Woodside Park. George J. Young (C), Woodside Park. Repairs to Ferris wheel.

Dwelling, 2519 South street, \$325. A. Weetzerfeld (O), 538 North Fourth street. Louis Cutler (C), 610 North Second street. One-story brick addition, 12x12 feet, slag roof.

Garage, 6425 Woodbine avenue, \$1,800. Wendell & Smith (O), Overbrook, Pa. M. W. Young (C), Overbrook, Pa. Brick, 1 story, 21x23 feet, slate roof.

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Ridpath & Potter Co.....Bourse Bldg., Phila.
John B. Rulon.....1355 Colwyn st., Phila.

Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.

Automobiles.

Eastern Motors Corporation,
1634 Chestnut st., Phila.

Blue Prints.

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F. Weber & Co.....1125 Chestnut st., Phila.

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Chas. H. Robbins.....125 S. 11th st., Phila.

Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

Brick Renovating.

Adolph Christensen.....1433 Brown st., Phila.
John Gallatig.....447 W. Dauphin st., Phila.

Builders.

Graham-Campion Co.....Heed Bldg., Phila.
Hogg Construction Co., Inc.,
1634 Sansom st., Phila.
Mitchell Bros.....2125 Race st., Phila.
Pomeroy Const. Co.....1609 Ranstead st., Phila.

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James G. Madden...Franklin Bank Bldg., Phila.

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Henry M. Miller.....46-48-50 N. 2d st., Phila.
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Ridpath & Potter Co.....Bourse Bldg., Phila.
John B. Rulon.....1355 Colwyn st., Phila.

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Penn Planing Mill Co.....Reading, Pa.

Structural Engineer.

Harry C. Eisenbise Co.....Penna. Bldg., Phila.

Surety Bonds.

Harris J. Latta.....Penna. Bldg., Phila.

Switchboards.

Large-Dail Mfg. Co.....114 N. 13th st., Phila.

Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

Test Borings.

Artesian Well Drilling Co.,
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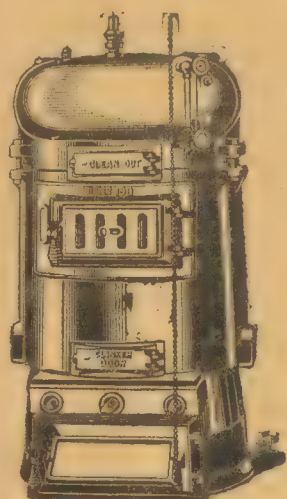
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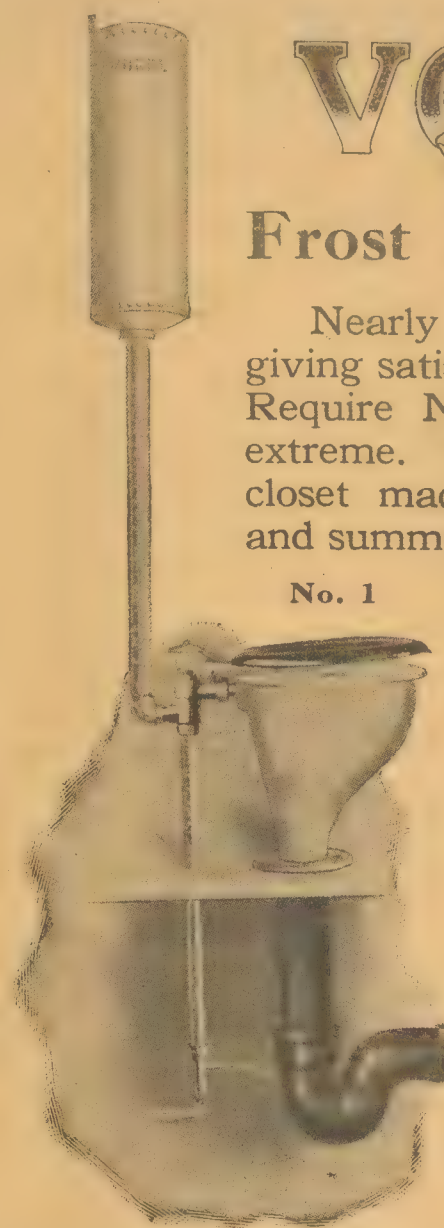
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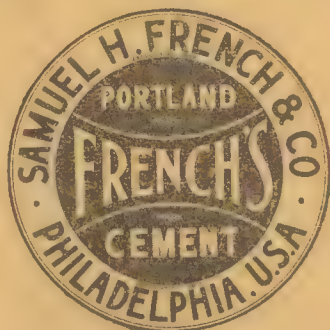
Vol. XXXI., No. 41.

PHILADELPHIA, WEDNESDAY, OCTOBER 11, 1916.

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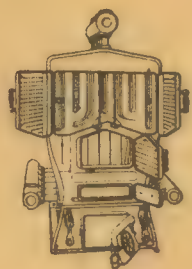
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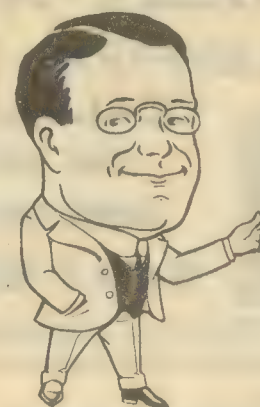
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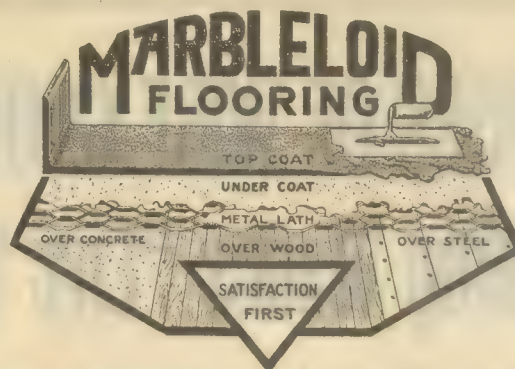
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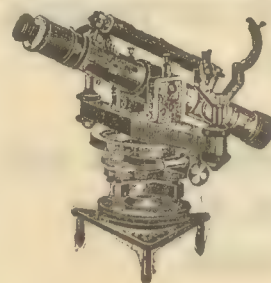
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 41

PHILADELPHIA
October 11, 1916



As The Editor Sees It



A SOMEWHAT novel expedient, aimed at the loss of time, money and estimating talent incident to the present system of competitive bidding, is being tried out in the Middle West by an organization known as "The Quad City Builders' Exchange." The members of this organization, which has a membership of 225 general contractors, sub-contractors and material men in the four cities of Rock Island, Moline, East Moline and Davenport, will enter no bids on any work unless provision is made to compensate them for the loss of time in the event that some other bidder gets the award.

The proposition of the Quad City Exchange is thus explained by *The American Contractor*:

"The membership of the exchange, it is stated, includes nearly every kind of a contractor in the cities named, and the plan therefore is inaugurated with a unanimity that promises to give the new system a thorough demonstration. It was adopted by a unanimous vote of the exchange, and therefore has back of it the united support of the members.

"It is confidently asserted that with this plan in effect buyers will no longer call for bids solely for the purpose of dickering. The experience of contractors here has no doubt been that of the common lot. They have put in a considerable amount of time and a large amount of labor in figuring on jobs, preparatory to entering bids, often losing the contracts because they were a few dollars higher than the successful bidder. Under the new plan it is proposed that the contractor shall receive compensation for all bids submitted.

* * *

THE intent is that the buyer may have as much fair competition as he wishes to pay for. After he has chosen his contractors in a fair and unprejudiced manner, and has further

paid a just and reasonable price for the competition, he shall be under no obligation to the bidders. He may make his own decision based upon his own opinions of the qualifications of the bidder's price or a comparison of both.

"If the buyer of the work to be figured upon is acting as a private individual, then he may choose his own method of selecting bidders. He reserves the right to select as many or as few as he may choose or wishes to compensate.

"After all bids have been received and opened, the buyer shall, within ten days, according to this plan, pay to each bidder who has bid in strict accordance and has complied with all the demands contained in the plans and specifications and whose bids do not exceed by fifty per cent. the amount of the bid upon which the contract is awarded, or the lowest legitimate bid, if the contract is not awarded, a sum equal to the square root of the average of all bids received, multiplied by .7. As an example, if the average of all bids received shall be \$90,000, the square root of which is \$300, multiply \$300 by .7, which equals \$210, the amount which shall be paid to each competing bidder in payment for the labor and expense involved in estimating and as a complete waiver of all obligations."

While other conditions were included in the resolution adopted by the Quad City Exchange, the foregoing explains the working plan regarding future estimating. There is no doubt that much time and expense is wasted in the present system of estimating and that it needs a complete overhauling. As to whether or not the Quad City Exchange has solved the problem time will tell.

* * *

OUT of that New York suggestion to license builders has grown a general discussion of very wide trade interest.

"The proposal to license builders and superintendents, as a means of preventing disasters such as the recent collapse of a new tenement house in the Bronx, is open to serious question," writes D. Everett Waid.

"Its adoption would involve the creation of an additional piece of municipal governmental machinery which would be costly to operate. It would introduce one more complication in the already complex operation of building, and add another burden of cost to building.

"If the department organized to examine and license the many thousands of men engaged in the structural design and erection of buildings should be an efficient organization, it would inconvenience and hamper the building world seriously.

"If it should be less efficient than it ought to be, it would actually increase the dangers it is intended to obviate. Hundreds of poorly equipped constructors would secure badges of competency which would obtain for them greater opportunities than they would otherwise have to do bad work for the public.

"In the work of structural design and erection of buildings many thousands of people in New York City alone are engaged, and that with innumerable gradations and variations of functions. Any attempt to license would be more difficult and complicated to carry out on any just basis and would be most likely to result as class legislation of the most vicious sort."

* * *

IT is to be feared also that all the tremendous expense and limitation of liberty of vocation would accomplish no good end. The licensing of pharmacists, or barbers, or veterinarians, is a simple matter in comparison with undertaking to license all the architects, engineers, carpenters, masons, iron-workers, superintendents, inspectors, etc., who have

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some part in making a building safe or otherwise. The whole problem is to insure safe building and the solution of that problem lies in fixing responsibility, first, for structural design in accordance with loads and stresses clearly defined in the building code, and, secondly, for construction with materials—brick, mortar, etc.—of quality clearly defined in the code.

"The building law is clear as to what may and what may not be done. What it lacks is provision to hold offenders responsible. In England it is possible ten years after a building has been erected to call the architect before the bar and fine or imprison him if his design is discovered to be faulty.

"Our statutes should fix such a degree of responsibility upon an owner that he will be careful at the beginning to engage competent persons to do his work. The law need not require him to hire an architect, but it should hold to strict accountability any one who assumes competency to design a building."

* * *

WHETHER the building be small or large, whether its designer be an architect or engineer or carpenter, that designer should be responsible for its safe design according to law and also for its execution in a safe manner.

"If the man who makes the structural design has under some circumstances no control over the erection, the law can at least give him access to the premises and require him under penalty to file a violation whenever the structural provisions of his plan are disregarded.

"When an owner for any reason has occasion to discontinue the service of his architect or engineer at any stage of the design or its execution, he could do so with consent of the Building Department upon complying with prescribed formalities which would place upon record the names of those who can be held responsible for the design and execution of a building at every stage.

"Stated in brief—so many persons have directing hands in the different stages of one building that when an accident occurs it is difficult to fix the responsibility. Examinations and licenses to establish ability are a doubtful recourse, but the law should make it possible to locate responsibility definitely and promptly and to assess severe penalties upon offenders against safe design and good construction."

* * *

THE *New York Record and Guide*, commenting editorially upon the proposition involved remarks:

"The verdict of the Coroner's jury in the case of the collapse of a tenement

house in course of construction in the Bronx, which finds two members of the firm of contractors and a building inspector guilty of criminal negligence and holds them for the action of the grand jury, has raised again the question of the advisability of licensing builders. In the past when legislation to this end has been proposed, as it was by the late Isaac A. Hopper, when he was Superintendent of Building for the Borough of Manhattan, both strong opposition and vigorous advocacy were developed.

"The question was found to be a highly complex one, both economically and legally. Then, as now, there were a number of good precedents for passing a license law for builders, with many reasons for so doing; and at the same time there appeared to be a real danger of doing an injustice to various interests. Upon close study it was also perceived by legal minds that it would be difficult to frame a bill that would pass the test of constitutionality. Moreover, as many trades and callings had been applying for the license privilege, the Legislature had set itself against any further extension of the list of restricted occupations."

* * *

THE new act for the registration of architects is not a license law," *The Record* points out. "It restrains no contractor, builder, engineer or owner from drawing building plans either for himself or others; but he must not use the title of 'architect' without being registered. In those States where laws have been passed forbidding anyone except registered architects to file drawings and take out building permits abuses have resulted. The New York law is drawn with a different intention. It is an educational rather than a restrictive measure, and is designed to raise the standard of the architectural profession without interfering with anyone in his usual vocation. If the right to use the initials of 'R. A.' (Registered Architect) after one's name is an honor worthy to be striven for by architectural students, as it is, the way has been prepared.

"Conceding that the building laws and the Building Department are primarily intended to protect the public from unsafe construction, there are yet occasions when they seem unable to prevent deception and detect incompetency. In view of this, a building official has suggested to the *Record and Guide* that the trade unions could advance their own and the public's interest if they should direct their members not to do things contrary to the Building Code. For example, if bricklayers in building exterior bearing walls would refuse to work in 'snap' headers and insist upon making

a bond between the front brick and the backing, as they know the law requires, they would be performing a public service.

"In their collective capacity trade societies owe the public certain obligations in return for the protection which the laws give them. One of these is the obligation to perform their work in a lawful manner so that life and property will not be endangered."

* * *

WHILE we concur most heartily in the suggestion that the unions lend the weight of their influence to a strict compliance with regulations we are inclined to think that a law requiring buildings of every class to be designed by and erected under the supervision of a licensed architect or structural engineer would furnish the most logical and permanent solution of the problem. As a general proposition it will be found that it is the operative dwelling or the single structure raised up without plans by the inexperienced order of contractor that comes to grief. And in every instance the cause is the same—plain evasion of or studious indifference to principles that date back to the day of Solomon.

* * *

SOME big public work is to get under way within the next few months, according to Director Datesman, of the Philadelphia Department of Public Works.

"A portion of the funds from the recent loan will become available shortly after November 1. In anticipation of this, the department will advertise for contracts to be paid for out of these new loan funds, aggregating more than \$1,700,000.

"Added to this will be Convention Hall and Free Library, which should amount to more than \$5,000,000 additional. This will be apportioned among bureaus as follows:

Bureau of Surveys	\$1,108,000
Bureau of Water	 565,000
Bureau of Highways	... 100,000

"The Bureau of Surveys is advertising in three relays, beginning October 1, for branch sewers and main sewers amounting to \$790,000; for seven bridges, which will cost \$168,000; for continuation of the Frankford Creek intercepting sewer, \$150,000.

"The straits in which operative builders have been placed, due to the lack of drainage facilities, have made it necessary to furnish these at the earliest practicable moment, so that the first expenditures under the loan funds will be for this purpose.

"Grading is another essential for real estate development. It is, therefore, in-

tended to grade such streets as can be done the present year, amounting to \$75,000, and to pave a few where underground structures have been placed, amounting to \$25,000.

* * *

BIDS were opened on October 3 in the Bureau of Water for new centrifugal pumps, improvement of the water supply at Queen Lane and at Lardner's Point pumping stations, costing approximately \$140,000.

"Later in October bids will be received for work in this bureau aggregating \$425,000, including a new \$35,000,000-gallon pump, building and pipe connections at Lardner's Point, about three-fourths of a mile of large pipe main in Oak Lane and new repair shop and booster house in Roxborough.

"In addition to this there was provided from the present loan funds the amount of more than \$500,000 for the purchase of materials and the payment of the city forces engaged upon the repair of high-

ways. This work is under way, and the money will be expended by the close of the year.

"The policy of following the highways, so as to repair small holes without waiting for big ones, results in large savings to the city, and promotes the convenience of the taxpayers.

"Owing to the lateness of the season, the work upon the Parkway, Northeast Boulevard and South Broad street improvements will not be advertised until after the first of the year. Work on these improvements, as a continuation of that now in progress, will begin when the spring season opens.

"Bids will be invited for the Free Library, followed by others for the Municipal Auditorium or Convention Hall, shortly after loan funds become available, in pursuance of the Mayor's policy to complete both of these monumental structures, so that the people may early realize their expectations as to these buildings."

EDITORIAL NOTES

The American Russian Chamber of Commerce, which has for its purposes the encouragement of a closer union in Industry, Commerce and Finance between Russia and the United States is about to issue a handbook of America which will be printed in Russia and which will offer special opportunities to American manufacturers wishing to enter into the Russian market. Particulars may be obtained by addressing the American Russian Chamber of Commerce, 60 Broadway, New York.

* * *

The 1916 electrical exposition will be held in the Grand Central Palace, New York City, October 11th to 21st. Among the features of the main floor will be a model laundry in operation. It will be planned with the view to the greatest efficiency and equipped with the most modern machinery. This exhibit should be interesting to architects, as it will give them valuable data as to the planning of a laundry and as to the space necessary for a properly equipped laundry.

* * *

The port of Philadelphia continues to shatter all previous records for export values, according to last month's shipping report issued by the Commissioners of Navigation, showing the total value of August exports to be approximately \$36,000,000. A feature of the local shipping business during the month was the unusual number of American vessels using the port, 31 arriving here flying the

American flag and 22 sailing for foreign ports. While big gains were made in the shipment of foodstuffs, the trade in war munitions was largely responsible for the phenomenal export increase.

* * *

Do not worry; eat three square meals a day; say your prayers; be courteous to your creditors; keep your digestion good; exercise; go slow and easy. Maybe there are other things that your special case requires to make you happy, but, my friend, these I reckon will give you a good lift.—*Abraham Lincoln.*

* * *

For the second week of September thirty railroads earned \$13,302,575 gross, compared with \$12,081,028 in the same period a year ago—a gain of 13.41 per cent.

* * *

The failure of property owners to agree on contractors to make repairs in alleys adjoining their properties, as ordered by the Bureau of Health, has compelled the health officers to undertake the work themselves. Bids for the repaving of forty alleys are being received by Chief McCrudden, of Housing and Sanitation.

The holes that have formed prevent proper drainage of waste, and offer breeding places for flies and germs. It is estimated that the work will cost \$5,000. This will be assessed against the owners of abutting properties.

The Advance, published by the Corn Exchange National Bank, states:

"Facts, taken from the current record of the current month, are certainly eloquent of the tremendous advance in values which must follow the expenditure for public improvements authorized at the late election; and they should give courage to those who have so long and so earnestly endeavored to place Philadelphia in a position to take full advantage of the magnificent trade opportunities opening for the city with each succeeding month; for in these few examples cited there is direct offer by the Government of prices in excess of present assessments, positive refusal by owners to part with property at this advance over present assessments, and an equally positive refusal to sell by two of the owners at prices from one hundred to one hundred and fifty per cent. above the assessed valuation of the property in question. Here, certainly, is a substantial foundation in facts for the hopes of a greater Philadelphia and a Philadelphia made greater without unduly burdening the great mass of the people or taxing beyond the limit of endurance the vast army of our home-owning population."

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HOLLOW TILE CONSTRUCTION

Development of a Structural Medium That Has Grown Into Widespread Popular Favor Within Recent Years—"Tapestry" Finish In Tile

TO trace the origin of hollow tile construction it is necessary to go back only so far as the early "skyscrapers," the first of the iron and steel framed office buildings, and the necessity for a fireproofing shell around the metal framework of these early buildings. These were of themselves a revolutionary type of construction, conceived and developed within the memory of men now not past their prime. The hollow, clay tile was developed as a light-weight insulation and fire protection for the iron frame of these pioneers among the tall office buildings,—a by-product of the modern office building, so to speak.

The completely constructive building materials may be counted on the fingers of a hand; wood, stone, brick, concrete, hollow tile. The evolution of a new building material is an epoch-making thing. The use of wood, stone and brick go back through all the annals of civilization, past its earliest records. The ancient civilization which did not have stone available for building purposes, made brick and built with it. Brick was the building material for the ancient Assyrians. While we have seen a wonderful development in the use of concrete, it is really a very ancient material, known and used in very early times. Terra cotta is generally used as a facing material and does not properly come in this list.

Hollow tile, alone, of these materials, has been developed during the last few decades, and several reasons account for its popularity. The obvious economy of using a hollow tile a foot square, or thereabout, in place of perhaps fifteen or more smaller units, lies not only in the shorter time in which it may be laid in the wall, but also the saving in handling the larger unit. Any saving in the actual amount of clay used is important only as it results in an accompanying,—and equally desirable—lack of weight. Moreover, from this economy of material and lack of weight has developed the basic principle and greatest positive advantage of hollow tile as a building material,—the dead air spaces which make an insulation in the wall against both heat and cold, fire, or storm.

A seeming coincidence lies in the fact that just as hollow tile was being applied to building purposes in this way, the building public began to realize the essential importance and desirability of a comparatively inexpensive and at the

same time commercially practicable type of fire resisting construction.

In its early manufacture hollow tile was made in very simple designs and with few patterns. But as the tile has come to be more and more used in dwelling construction there has been a growing tendency to improve its design by details giving a more thorough insulation and better bound in the wall; to provide designs for special places such as door and window openings,—jamb and sill, floor joists, corners, etcetera, to lessen the labor and trouble on the work, to improve the technical means of its employment and to reduce the cost to the owner.

The several standard makes of hollow tile have been accepted by building departments as desirable building materials, and many local factories manufacture a good product. Each type has its own peculiar advantages in design and manner of laying, and each has its own special forms designed for special positions. It is extremely interesting to follow the peculiar adaptations which have been worked out to fill special conditions, as for instance for the jamb and sill for window openings; methods of reinforcement for lintels and wide openings; to give a good bearing for floor beams; to form corners; to set partitions; to break a continuous joint through the wall; methods of breaking joints and bonding the tile in the wall.

Of especial interest may be mentioned the very practical types of fire resisting floor construction. The time will come,—and it is not far distant,—when it will be considered necessary to put an effective fire stop between the basement, with its possibilities of over-heated furnace, badly constructed hearth or flue, and the living quarters of the family, though there is no indication that the time will ever come when we shall consider anything else so satisfactory and beautiful to live with as a well-finished hardwood floor and woodwork. When a house is built of fire resisting material people will feel justified in putting more beautiful wood into its finishing.

The possibility of applying stucco and plaster directly to both the exterior and the interior face of the wall simplifies construction and reduces expense, though in many cases furring is applied to the inner surface.

Hollow tile requires essentially a ten- or a twelve-inch wall as a minimum for residence work, as compared with the six-inch wall of timber construction. With modern compact building every inch of space is expected to bring its return in value, and hollow tile is designed to give not only bearing strength and the protection expected from a wall but in addition the fire resistance and the insulating qualities of greater value than the space occupied. Estimates vary as to the relative cost of tile and timber construction. Ten per cent additional cost for a fire-proof construction is an estimate often given. In special cases and conditions it may run considerably less and in others it may exceed ten per cent, depending on the construction, labor and transportation conditions. We are told the contractor's uncertainty as to the use of tile and its results sometimes accounts for his high estimate. He prefers to build in the more usual way, and figures accordingly, with an allowance to cover suspected trouble.

Among the later developments is a tile with a "tapestry" or finished surface, which does away with the necessity for a brick veneer or coat of stucco. This, if generally adopted, would again have a revolutionary tendency on architectural effects. Scale is one of the most important elements with which the successful architect works his spell. The eye accepts the small unit of brick as an established standard. A unit as much larger as the tile provides will set a different scale and make different requirements.

The architectural possibilities of the plain stucco and cement surface have hardly been touched as yet. The very facility with which it is worked, its lack of limitations, has made its early use either commonplace or in imitation of other materials. Spanish colonial stucco work in Mexico was the inspiration for the very interesting buildings in the permanent group erected at San Diego for the exposition which charm visitors, and show some of the various phases of its possibilities as applied to structures both ornate and simple.

Fundamentally the influence exerted by the fireproof and the hollow tile house is manifest in the simpler general lines, and more especially in the grouping of windows. Special construction is required for each opening. When several windows are required in the wall of a room, it is manifestly simpler for them to come together in one bank, saving the labor of the several different openings in the masonry where one opening can be made to serve the same purpose. This is resulting in a distinctive character of exterior treatment capable of infinite variation under architectural handling—*Keith's Magazine*.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Church and Sunday School, Fifteenth and Locust streets, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, First Reformed Church, Rev. E. R. Appenzeller, 2117 West Ontario street, Philadelphia. Stone, 1 story, 75x130 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about one month.

Shop, 933-35-37 Spring street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Brick, 2 stories, 45x75 feet, slag roof, electric lighting. Architect taking sub-bids on all lines.

Church and Sunday School, Third and Tabor road, Philadelphia. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, Olney Presbyterian Church, Rev. W. H. Wells, 222 Tabor road, Philadelphia. Stone, 1 and 2 stories, 52x90 feet and 65x95 feet, slate roofs, steam heating, electric lighting, cabinet work, hardwood floors. Plans in progress.

Residences (12), north side of Rusecomb street, between Fourth and Fifth streets. Architect, J. Elvin Jackson, 727 Walnut street, Philadelphia. Owner, Morris Bleiden, 5048 North Fifth street, Philadelphia. Brick and stone, 2 stories, 44x16 feet, slag roof, hot water heat, tile and hardwood floors, electric lighting, parquet floors, cabinet work. Owner taking sub-bids on all lines.

Garage, Malta and Tioga streets, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, John M. Kennedy, Jr., 1000 Chestnut street, Philadelphia. Brick and steel, 1 story, 60x102 feet, slag roof, cement floors. Architects taking bids. Freund Const. Co., Bulletin Building, are figuring (only bidders).

Forging Plant Building and Tunnel, Frankford, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Col. Geo. Montgomery, Frankford Arsenal. Brick and reinforced concrete, 1 story, 100x204 feet, felt or asbestos roof, cement and maple floors, metal lath and sash, waterproofing. Owners taking bids, due October 16th at 2 P. M. The following are figuring: Warren-Moore Co., Commercial Trust Building; E. F. Fonder, Land Title Building; W. W. Anstine & Co., 1218 Filbert street; H. H. Wehmeyer, 1004 Lehigh avenue; Wm. R. Dougherty, 1610 Sansom street; Thomas Reilly, 1616 Thompson street; People's Bros., Commercial Trust Building; Austin Co., Transportation Building; Ketcham & McQuare, 1029 Brown street; Wm. Steele & Sons, 1600 Arch street; F. W. Van Loon, Denckla Building; Mitchell Bros., Philadelphia, and Connors Bros. Co., 64 West Eighty-eighth street, New York City.

Factory (add.), Eighteenth and Washington avenue, Philadelphia. Architect, Werner Trubower, 1420 Chestnut street. Owners, John Wyeth & Bro., Inc., on premises. Brick, steel and concrete, 1 story, 28x64 feet, slag roof, maple floors (heating electric work and sprinkler system reserved.) Architect has received bids.

Warehouse, Stillman and Jefferson streets. Architect, private plans. Owners, Wills-Jones Co., 1507 North Twenty-sixth street, Philadelphia. Brick, steel, reinforced concrete and terra cotta, 3 stories, 90x90 feet, slag roof, cement floors metal sash, waterproof. Owners

have received bids. (Electric work, heating and plumbing reserved.)

Fire Station (remodeling Casino), Oak Lane, Philadelphia, \$22,000. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, Department of Public Safety, City Hall, Philadelphia. Consists of remodeling present building and new rear addition, frame, 2 stories, shingle and composition roof, electric lighting. Plans in progress. Will take bids in about ten days.

Office Building, Nicetown, Philadelphia, \$60,000. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owners, Midvale Steel Co., Widener Building, Philadelphia. Brick, reinforced concrete and terra cotta, 6 stories, 170x50 feet, slag roof, steam heating, electric lighting, composition, concrete and mastic floors, metal lath, steel sash, fire doors, vacuum cleaners, elevator, waterproofing, marble and terrazzo work. Owners taking bids, due October 12th at noon. The following are figuring: Barclay White & Co., Perry Building; Irwin & Leighton, 126 North Twelfth street; Pomeroy Const. Co., 1609 Ransstead street; F. W. Mark Const. Co., Finance Building; Charles McCaul Co., 1715 Sansom street; George A. Fuller Co., Widener Building.

Store and Apartments (alt. and add.), 5340 Germantown avenue. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, John F. Conlin, 12 West Willow Grove avenue, Philadelphia. Brick and stone, 2½ stories, 18x90 feet, hot water heating, combination lighting. Architects taking bids, due October 12th. The following are figuring: John Dear, 4544 Greene street; R. M. Peterson, 5820 Wakefield street; Wm. J. Cowell, 943 East Cheltenham avenue; Harry J. Schultz, 232 West Mt. Pleasant avenue; George A. Boyd, 5012 Schuyler street, all of Philadelphia.

Garage, Fifty-second and Wyalusing avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets. Owner, James Egnal, 4146 Leady avenue. Brick and stone, 1 story, slag roof, steam heating, electric lighting, marble work, cement floors, skylights, gasoline storage system. Plans about completed. Owner will take bids in one week.

Factory, 600 to 612 North American street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Stone, steel and brick, 2 stories, slag roof, steam heating, electric lighting, cement and yellow pine floors, skylights. Architect will be ready for bids in about ten days.

Residences (10), Haines and Ogontz avenue, \$30,000. Architect, private plans. Owners, Schwingle Bros., 2637 West Hagert st., Philadelphia. Stone and plaster, 2½ stories, 16x56 feet, tile roof, hot water heating, combination lighting, hardwood floors. Owners are sub-letting all contracts. Work about to be started.

Residences (10), Haines street and Ogontz avenue, \$30,000. Architect, private plans. Owners, Gehlaus & Dallas, 4715 North Broad street, Philadelphia. Stone and plaster, 2½ stories, 16x56 feet, tile roof, hot water heating, hardwood floors, combination lighting, tile work. Owners are sub-letting all contracts. Work about to be started.

Residences (7), Forty-sixth and Locust sts., Philadelphia. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Mar-

ket streets, Philadelphia. Brick, 3 stories, 16x54 feet, slag roof, hot water heating, hardwood floors, combination lighting, tile work. Owner will take sub-bids in about one week.

Mill Building (add.), southeast corner of Butler and Janney streets. Architect, Carl P. Berger, South Penn Square Building, Philadelphia. Owners, Belmont Packing and Rubber Co., Butler and Sepviva streets. Brick, steel and stone, 1 story, 76x70 feet, slag roof, maple floors, metal sash, fire doors. Architect has received bids.

Church Fifty-seventh and Baltimore avenue, Philadelphia. Architects, E. E. Hendrickson and Day & Klauder, 925 Chestnut street, Philadelphia. Owners, P. E. Church of the Epiphany, Rev. W. N. Parker, Sherwood. Stone, 1 story, 40x105 feet, slate roof, steam heating, electric lighting cabinet work. Architects taking bids. The following are figuring: Frank E. Wallace, 1220 Chancellor street; Jacob Myers & Sons Co., Witherspoon Building; F. L. Hoover & Sons, 1023 Cherry street; John Duncan, 920 Walnut street; R. C. Ballinger & Co., 218 North Thirteenth street; Thomas C. Trafford, 1613 Sansom street; George & Borst, 277 South Eleventh street.

Residences (70), Widener avenue and Nedro avenue at Broad street. Architect, private plans. Owners, Marolin & Bloch, 203 South Fifth street, Philadelphia. Brick, 2 stories, 16x52 feet, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Owners will take sub-bids in about one week.

Factory, Twenty-eighth and Fletcher sts., Philadelphia. Architect, Frederick T. Uezzell, 147 North Third street, Philadelphia. Owners, Cohlman & Cutler Co., Inc., 2522 Dauphin street, Philadelphia. Brick, 3 stories, 55x110 feet, slag roof, steam heating, electric lighting, concrete floors elevator, fire doors, steel rolling doors, ventilators. Architect has received bids.

Garage, Stenton and Spring lane. Architects, Zantlinger, Borie & Medary, northeast corner of Fifteenth and Walnut streets. Owner, Isaac Starr, Stenton and Spring lane, Chestnut Hill. Stone, 2 stories, 24x48 feet, shingle roof, hot water heating, electric lighting. Architects taking bids, due October 13th. The following are figuring: Stokes Bros., 6723 Musgrave street; H. H. Burrell, 206 South Quince street; Wm. H. Eddleman & Sons, 453 Green lane, Roxborough, Philadelphia; J. Sims Wilson Co., 1125 Brown street; George B. Roth & Sons, 230 East Graver's lane, Chestnut Hill; Pringle Borthwick, 8018 Germantown avenue; Archibald McTavish, 1513 Pine street.

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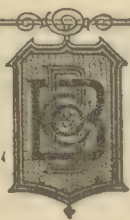
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Store (alt.), 223-27 Arch street, Philadel-
phia. Architect, G. E. Schermerhorn, 430
Walnut street, Philadelphia. Owner, Ellen
C. Butler, 1527 Spruce street, Philadelphia.
Brick, 5 stories, 55x90 feet, slag roof, steam
heating, electric lighting, metal sash, ele-
vator and interior alterations. Contract
awarded to F. T. Mercer, 1706 Delancey
street.

Hospital (alt. and add.), Broad and Mif-
flin streets, Philadelphia. Architects, E. F.
Durang & Son, 1220 Locust street, Philadel-
phia. Owners, St. Agnes' Hospital, on prem-
ises. Consists of one-story kitchen wing and
interior alterations. Contract awarded to
James J. Murphy, 4034 Powleton avenue.

Twin Residences (4), St. Martins, Phila-
delphia. Architect, Edmund B. Gilchrist, 1424
Walnut street, Philadelphia. Owner, Dr.
George Woodward, North American Building,
Philadelphia. Stone, 2½ stories, shingle roof,
hot air heating, electric lighting, pine floors,
tile work. Contract awarded to Pringle
Borthwick 8018 Germantown avenue.

Residences (13), Fifty-eighth and Ludlow
street, \$43,550. Architect, private plans.
Owners, Leonard & Muench, Fifty-seventh
and Lansdowne avenue. Brick, 2 stories, 15x
46 feet, slag roof, hot water heating, hard-
wood floors, combination lighting. Contract
awarded to James H. Havelow 7017 Saybrook
avenue.

Recreation Building, Twenty-fourth and
Jackson streets, Philadelphia, \$47,000. Archi-
tect, Philip H. Johnson, Land Title Building,
Philadelphia. Owners, City of Philadelphia,
Board of Recreation, City Hall. Brick, 1
story, 69x181 feet, asbestos shingle and slag
roof, proposal bond (electric work and plumb-
ing separate bids. Contract awarded to
Mitchell Bros., 2125 Race street, Philadelphia.

Recreation Building, Berks, Blair and
Palmer streets, \$44,500. Architect, Philip H.
Johnson, Land Title Building Philadelphia.
Owners, City of Philadelphia, Board of Reere-
ation, City Hall. Brick, 1 story, 261x80 feet.
Consists of swimming pool, dressing booths
and iron fences, asbestos hinge and lag roof.

proposal bond (electric work and plumbing
separate bids). Contract awarded to Mitchell
Bros., 2125 Race street, Philadelphia.

Machine Shop, 140 North Juniper street,
Philadelphia, \$2,700. Architect Wm. Low-
enth 1208 Chestnut street, Philadelphia. Own-
er, P. J. Collins, on premises. Brick, 1 story,
18x100 feet, stone terra cotta, cement and
concrete work, slag roof, steam heating, elec-
tric lighting. Contract awarded to Smith-
Hardican Co., 1606 Cherry street.

Warehouse, Wissahickon, Philadelphia, \$2,-
200. Architect, private plans. Owners, Mid-
vale Steel Co., Widener Building, Philadel-
phia. Frame and timber, 1 story, slag roof,
maple floors. Contract awarded to Harry
Brocklehurst, 512 West Norris street.

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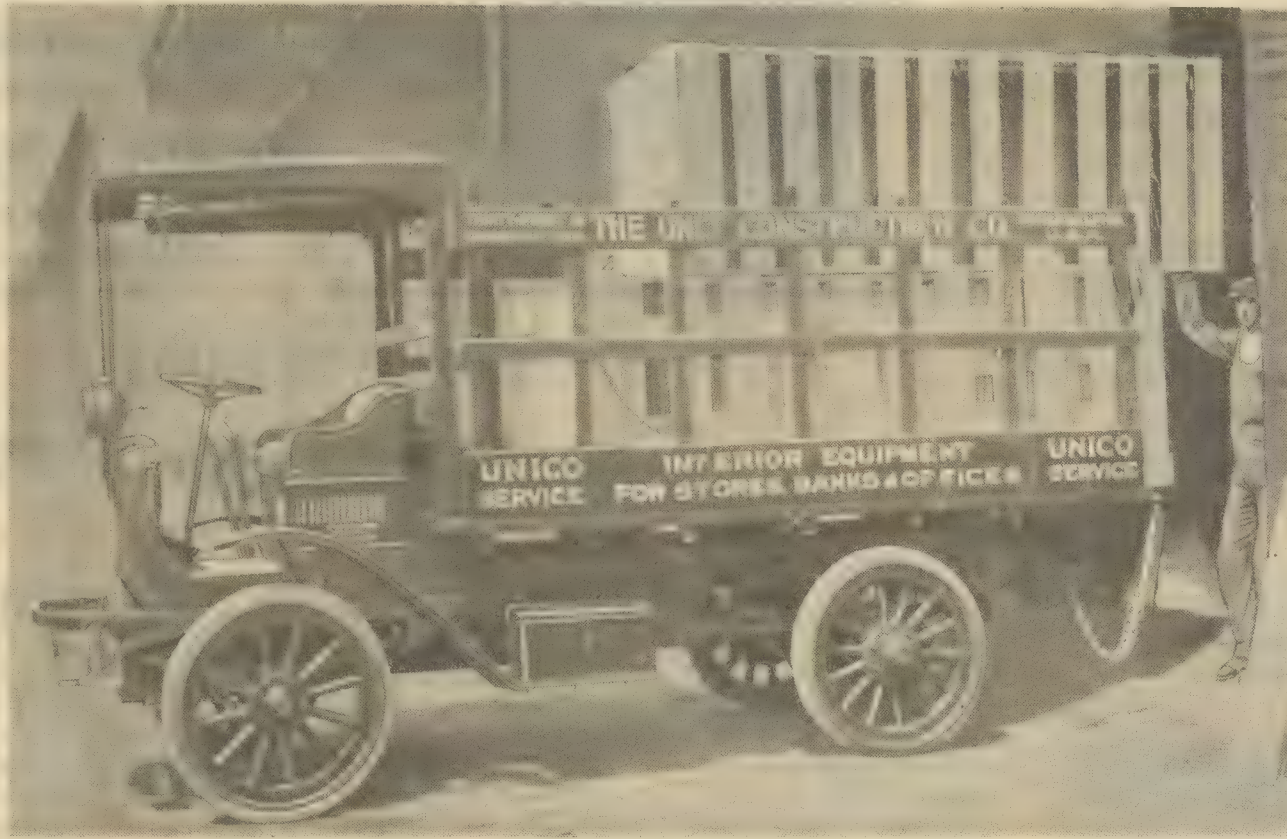
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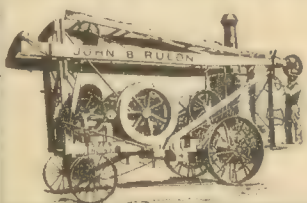
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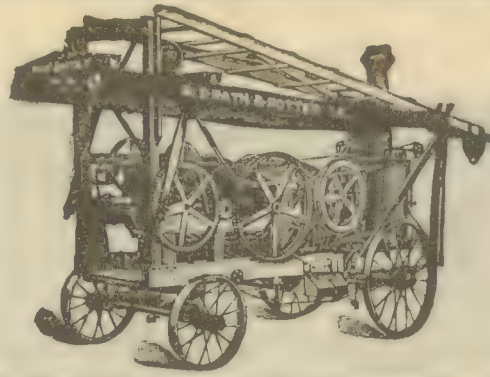
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PENNSYLVANIA

Construction News

School, Whitpain Township, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, School Board of Whitpain Township. Stone, terra cotta, brick and hollow tile, 2 stories, concrete floors (plumbing, heating, electric work and water system separate bids). Architects have received bids.

Residence (alt.), Rydal road, Noble, Pa., \$5,000. Architect, private plans. Owner, Thomas K. Ober, Jr., Land Title Building, Philadelphia. Stone 2 stories. Consists of general remodeling of present house, shingle roof, hot water heating, 3 tile baths, hardwood floors, new addition, 2 stories, 18x20 feet. Plans in progress. Owner will take bids in about two weeks.

Residence Bryn Mawr, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, John Stretch, Bryn Mawr, Pa. Stone and rough cast, 2½ stories, 30x46 feet, shingle roof, steam heating, electric lighting. Plans in progress.

Chapter House, Lehigh University, South Bethlehem, Pa. Architect, C. F. Townsend, 129 Church street, New Haven, Conn. Owners, Phi Delta Theta Fraternity Lehigh University, South Bethlehem, Pa. Stone and hollow tile, 3 stories, 70x32 feet, slate roof, vapor vacuum heating, pine and oak floors, electric lighting, metal lath, waterproofing, weather strips, cabinet work, dumb waiters, tile and marble work. Owners have received bids.

Residence and Garage, Grant street, Lancaster, Pa., \$3,000. Architect, Frank J. Everts, Woolworth Building, Lancaster, Pa. Owner, J. Bair, Lancaster, Pa. Brick, 2 stories, 20x35 feet, slate roof, hot water heating, electric lighting. Architect taking bids. Luther Wohlsen, Woolworth Building; L. V. Wright, 144 East Vine street, and John Grube, 243 South Ann street, all of Lancaster, Pa., are figuring.

School Building, York, Pa., \$40,000. Architects, Robert E. Stair, Jr., and Edw. Leber, York, Pa. Owners, Board of Education, York, Pa. Brick, 2 stories. Plans in progress. Too early for details.

Y. M. C. A., Lewistown, Pa., \$75,000. Architect, John B. Hamme, Wiest Building, York, Pa. Owners, Town of Lewistown, Pa. Brick and stone, 3 stories, 80x120 feet. Plans in progress. Too early for details.

Bungalow, Conewago Heights, Pa., \$4,500. Architects, Gemmill & Billmeyer, York, Pa. Owner, Henry K. Ottmeier, Conewago Heights, Pa. Frame, 1 story, 47x54 feet, shingle roof, steam heating, electric lighting. Architects taking bids. J. C. Gutwald, York, Pa., is figuring (only bidder).

Residence, Lewistown, Pa., \$6,500. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, J. C. Prettleleaf, Jr., Lewistown, Pa. Brick and hollow tile, 2½ stories, 40x30

feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Revised plans in progress.

Bungalow, New Cumberland, Pa., \$5,000. Architect, Charles A. Keyworth, Capitol Building, Harrisburg, Pa. Owner, architect. Frame and stucco, 1½ stories, 26x33 feet, shingle roof, hot water heating, hardwood and cement floors, electric lighting, weather strips. Plans completed. Architect will sub-let all contracts.

Residence, Harrisburg, Pa., \$5,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Paul Voorhees, Harrisburg, Pa. Brick, 2 stories, 28x32 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Architect taking bids.

Residence, Quincy, Pa., \$5,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Rev. Kitzmiller, Quincy, Pa. Brick, 1½ stories, 34x34 feet, slate roof, steam heating, electric lighting. Architect taking sub-bids on all lines.

Church and Sunday School, Allentown, Pa., \$15,000. Architects, Charles W. Bolton & Sons, Witherspoon Building, Philadelphia. Owners, St. Paul's Reformed Church, Rev. Senslinig. Hollow tile and stucco, 2 stories, 60x50 feet, slate roof, steam heating, electric lighting, waterproofing. Architect taking bids, due October 16th. The following are figuring: Ochs Const. Co., 442 Wire street; J. A. Nagle, 117 South Twelfth street; Ritter & Smith, Jefferson and Gordon streets; Robt. S. Rathburn, Hunsicker Building; W. H. Gangewere & Co., Allentown Bank Building; A. Albright & Son, 315 North Fourteenth street; Butz & Clader, Arney Building, all of Allentown, Pa.

Garage and Administration Building, Ivy Rock, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Alan Wood Iron and Steel Co., Widener Building, Philadelphia. Brick and concrete, 1 story, 21x114 feet and 21x46 feet, slag roof, electric lighting, metal sash, steam heat, fire doors, ventilators. Architects taking revised bids from Barclay White Co., Perry Building, and Roydhouse-Arey Co., Fidelity Building, Philadelphia.

Residence (alt. and add.), 1635 Spruce street, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Joseph R. Wainwright, 605 Chestnut street, Philadelphia. Brick, three-story addition, 15x22 feet, slag roof, wire lath, dumb waiter, dampproofing, electric lighting, tile work. Revised plans in progress.

Post Office, Media, Pa. Architect, James A. Wetmore, Treasury Department, Washington. Owners, U. S. Government, Treasury Department, Washington, D. C. Plans completed and may be obtained from architect or custodian of post office, Media, Pa.

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Bethlehem, \$900,000. Engineer, R. E. Neumeyer, Bethlehem, Pa., and F. P. McKibben, Lehigh University. Owners, Bethlehem and South Bethlehem, Pa. Steel and concrete, waterproofing, 1 mile long. Plans in progress.

Garage, Bethlehem, Pa., \$4,000. Architect, H. J. Weigner, Bethlehem, Pa. Owner, Forrest Bartholdt, Bethlehem, Pa. Brick and reinforced concrete, 1½ stories, 49x57 feet, slag roof, steam heating, electric lighting, concrete floors, hollow tile. Plans in progress.

Bungalow, Bethlehem, Pa. Architect, H. J. Weigner, Bethlehem Transit Building, Bethlehem. Owner, A. W. Roberts, Bethlehem, Pa. Brick and frame, 1½ stories, 35x48 feet, slate roof, hot water heating, electric lighting. Architect taking bids. Charles F. Swartz, 434 Washington avenue, and Speck Bros., Broad street, Bethlehem, Pa., are figuring.

Moving Picture Theatre, South Bethlehem, Pa., \$12,000. Architect, A. P. Schulz, Bethlehem, Pa. Owners, United Motion Picture Co., 110 West Fortieth street, New York City. Brick, 1 story, 120x42 feet, slag roof, steam heating, electric lighting, concrete and tile floors, waterproofing and dampproofing, fire doors, ventilators. Architect has received bids.

Residence, East Market street, Bethlehem, Pa., \$11,000. Architect, A. W. Leh, South Bethlehem, Pa. Owner, N. M. Emery, South Bethlehem, Pa. Hollow tile and stucco, 2½ stories, 40x42 feet, shingle roof, hot water heating, hardwood floors, electric lighting, hollow tile, tile work. Architect taking bids. George Nerdinger, Bethlehem, Pa., and W. E. Stein, Allentown, Pa., are figuring.

Factory, Eddystone, Pa. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Brick and hollow tile, fireproof, 1 story, 200x120 feet, asphalt roof, steam heating, electric lighting, steel sash, cement and asphalt floors, sky-

lights, office fixtures. Architect will be ready for bids in about one week.

Residence and Garage, Cynwyd, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, John A. Lafore, Twenty-fifth and Locust streets, Philadelphia. Stone, 2½ stories, 102x26 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Architects are ready for bids.

Residence and Garage, Penfield, Pa. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, James L. Walton, Penfield, Pa. Stone and frame, 2½ stories, 45x28 feet, shingle roof, hot water heating, tile and hardwood floors, electric lighting. Plans in progress.

Residence, Springfield, Delaware Co., Pa., \$10,000. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Thomas Allen, 1147 South Broad street, Philadelphia. Stone and stucco, 2½ stories, 32x51 feet, slate roof, tile and hardwood floors, electric lighting, hollow tile, 3 baths. Plans in progress.

Bridge, south of Ringtown, Pa. Architect, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway, Reading Terminal, Philadelphia. Steel and reinforced concrete, single span, 186 feet long, waterproofing. Owners taking bids, due October 13th. The following are figuring: A. L. Carhart, Hale Building; Armstrong & Latta, Land Title Building; Brown-King Const. Co., Commercial Trust Building, Philadelphia, are figuring.

Garage, Haverford, Pa., \$3,000. Architects, Martin & Kirkpatrick, 130 South Fifteenth street. Owner, Harry Edson, Haverford, Pa. Stone, 1 story, 18x12 feet, shingle roof. Owner taking bids. Frank H. Mahan, Ardmore, Pa., and John Z. Weaver, Haverford, Pa., are figuring.

PENNSYLVANIA Contracts Awarded

Parochial School, Northampton, Pa., \$35,000. Architect, A. W. Leh, South Bethlehem, Pa. Owners, St. Mary's R. C. Church, Rev. B. Sommer, Northampton. Brick, 3 stories, 72x68 feet, slag roof, steam heating, electric light-

ing, waterproofing and dampproofing. Contract awarded to Wm. H. Gangewere & Co., Allentown, Pa.

Office Building, South Bethlehem, Pa., \$35,000. Architect, A. W. Leh, South Bethle-

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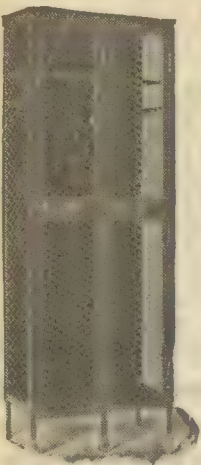
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hem, Pa. Owners, Bethlehem Foundry and Machine Co., South Bethlehem, Pa. Brick, terra cotta and steel, 6 stories, 44x52 feet, slag roof, steam heating, electric lighting, hardwood and tile floors, iron stairways, elevators, steel vaults, waterproofing and damp-proofing. Contract awarded to George Nerdinger, Main street, Bethlehem, Pa.

Bungalow, West Side, Bethlehem, Pa., \$7,000. Architect, H. J. Weigner, Bethlehem Transit Building, Bethlehem, Owner, Frank J. King, Bethlehem, Pa. Hollow tile and brick, 1½ stories, 58x32 feet, slate or tile roof, hot water heating, electric lighting, tile and hardwood floors. Contract awarded to Butz & Clader, Fifth and Hamilton streets, Allentown, Pa.

Moving Picture Theatre, Bethlehem, Pa., \$8,000. Architect, A. P. Schulz, Bethlehem, Pa. Owners, United Motion Picture Co., 110 West Fortieth street, New York City. Brick, 1 story, 100x42 feet, slag roof, steam heating, tile and concrete floors, electric lighting, waterproofing and damp-proofing, fire doors, ventilators. Contract awarded to A. M. Weingarten, Bethlehem, Pa.

Residence (alt. and add.), Bethlehem, Pa., \$6,000. Architect, A. P. Schulz, Bethlehem, Pa. Owner, Dr. A. D. Rau, Bethlehem, Pa. Brick, 2½ stories, 36x72 feet, slate roof, hot water heating, hardwood floors, electric lighting. Contract awarded to F. F. Speck, Bethlehem, Pa.

Moose Home, York, Pa., \$40,000. Architects, Gemmill & Millmeyer, York, Pa. Owners, Loyal Order of Moose, York, Pa. Brick, marble and steel, 4 stories, 242x30 feet, tin roof, steam heating, electric lighting, metal lath, ventilators, metal sash, dumb waiter, bowling alleys, hardwood, tile and marble floors. Contract awarded to Caspar H. Oermann, York, Pa.

Store, North Second street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, C. Ross Sons, Harrisburg, Pa. Reinforced concrete, terra cotta and brick, 2 stories, 26x90 feet, tin roof, steam heating, electric lighting, reinforced concrete and tile floors, waterproofing and damp-proofing, reinforced concrete vault, ventilators, marble treads, elevator. Contract awarded to A. S. Miller, Telegraph Building, Harrisburg, Pa.

Freight House and Office, South Bethlehem, Pa., \$37,000. Architect, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Brick, concrete and steel, 1

and 2 stories, 30x230 feet, slag roof, hot water heating, electric lighting, pine floors, metal lath, rolling steel shutters, steel sash, metal lockers. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Office Building, Administration Building and Garage, Ivy Rock, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Alan Wood Iron and Steel Company, Widener Building, Philadelphia. Brick and concrete, 1 story, 47x112 feet; 1 story, 21x46 feet, and 1 story, 21x114 feet, slag roofs, electric lighting, steam heating, metal sash, fire doors, roof ventilators. Contract awarded to Roydhouse-Arey Co., Fidelity Building, Philadelphia, but not yet signed.

Residence and Garage, Gulph Mills, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Gulph Mills Golf Club, Gulph Mills, Pa. Stone and frame, 2½ stories, 22x36 feet; wing, 12x14 feet; garage, 1 story, frame and stucco, 19x23 feet, shingle roof, vapor heating. Contract awarded to Milton W. Young, Overbrook, Pa.

Residences (2), Hazleton, Pa. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owners, Alvan Markle, Jr., and Donald Markle, Hazleton, Pa. Hollow tile, 2½ stories, 46x31 feet, asbestos shingle roof, hot water heating, electric lighting. Contract awarded to J. H. Erch, Hazleton, Pa.

Rectory, South Bethlehem, Pa., \$10,000. Architect, A. W. Ler, South Bethlehem, Pa. Owners, St. Stanislaus' Polish R. C. Church, South Bethlehem, Pa. Brick, 2½ stories, 36x52 feet, slate roof, steam heating, electric lighting. Contract awarded to Butz & Clader, Allentown, Pa.

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Barber, Hartman & Co., real estate brokers, 1201 Chestnut street, have leased for the account of Alexander Murphy & Co., the entire second floor of the building, 129 South Fifth street, to J. Fletcher Street, Rex Stackhouse and Harry Parker, who will use the premises for architects' offices.

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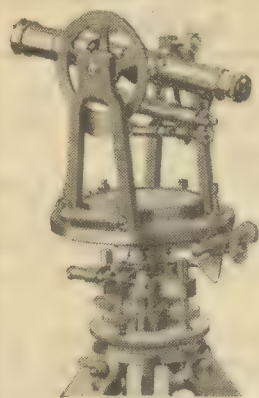
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NEW JERSEY Construction News

Post Office, Woodbury, N. J. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, stone and terra cotta, 2 stories, 75x55 feet, composition roof, steam heating, metal lath, waterproofing and dampproofing, ventilators, safety treads, tile and marble work, weather strips, terrazzo work (plumbing, steam heating and electric lighting reserved). Owners taking bids, due October 31st. Chas. McCaul Co., 1713 Sansom street; Bailey Lush Co., 201 North Broad street, and E. F. Fonder Co., Land Title Building, Philadelphia, are figuring.

Mission, Woodbury Heights, N. J. Architect, Arnold Moses, 136 South Fourth street, Philadelphia. Owner, Rev. R. Bowden Shepherd, 307 Hamilton street, Trenton, N. J. Stone and frame, 1 story, 26x50 feet, shingle roof. Plans in progress.

Ward Building, near Scotch Plains, Union County, N. J. Architects, Oakley & Son, Inc., Elizabeth, N. J. Owners, Union County Tuberculosis Hospital, care of Board of Chosen Freeholders of Union County, N. J. Brick, hollow tile, plaster, terra cotta, 2 stories, 32x93 feet; 2 wings, 57x22 feet, tile and canvas roof, steam heating, electric lighting, composition and pine floors, metal lockers, cabinet work (plumbing, heating and electric lighting reserved). Owners taking bids, due October 17th. Edw. Fay & Son, 2 South Mole street, Philadelphia, are figuring.

Buildings (3) (alt. and add.), Vineland, N.

J. Architect, George S. Drew, Trenton, N. J. Owners, State of New Jersey, care of Board of Managers of the Home for Disabled Soldiers, etc., Vineland, N. J. Brick addition, 1 story, 24x63 feet; main building, alterations; hospital, alterations, and laundry, addition and alterations; slag roof, cement and mple floors (stem heating and electric lighting reserved). Owners taking bids, due October 16th at 2 P. M. Metzger & Fisher, Denckla Building, and Edw. Fay & Son, 2 South Mole street, are figuring.

Garage and Office Building, North Carolina avenue and Baltic avenue, Atlantic City, N. J. Architects, Stout & Riebenack, Bartlett Building, Atlantic City. Owners, Wheeler & Dreher & Co., Atlantic City, N. J. Brick and concrete, 3 stories, 50x80 feet, 2 stories; wing, 25x25 feet; cement and maple floors, electric lighting (heating reserved). Architects taking bids. Wilber Beaumont, Stephen Girard Building, Philadelphia, is figuring.

Y. M. C. A., New Brunswick, N. J. Architects, Shattuck & Hussey, Chicago, Ill. Owners, Y. M. C. A., New Brunswick, N. J. Brick, steel, terra cotta and concrete, 4 stories, 89x170 feet; wing, 50x26 feet; composition roof, composition floors, marble and tile work, iron stairs, safety treads, steel sash, roof ventilators (heating, plumbing and electric work reserved). Architects taking bids, due October 14th (revised). The following are figuring: Hughes-Foulkrod Co., Commonwealth Building; A. R. Raff Const. Co., 1635 Thompson street, Philadelphia.

NEW JERSEY Contracts Awarded

Factory (add.), Jersey City, N. J., \$50,000. Architects, Neff & Thames, Heed Building, Philadelphia. Owners, Davis-Bournonville Co., Jersey City, N. J. Reinforced concrete two-story addition, 55x200 feet, slag roof, steam heating, electric lighting, elevators. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

School Building, Laurel Springs, N. J., \$19,200. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Board of Education, Laurel Springs, N. J. Brick, stone trimmings, 2 stories, 87x50 feet (heating ventilating, plumbing and electric work separate bids). Contract awarded to Joseph B. Rowen, Moorestown, N. J.

Miscellaneous Construction News

Round House, Pomona, N. C. Architect, Chief Engineer M. W. & S., Southern Railway, Washington. Owners, Southern Railway, Washington, D. C. Brick, reinforced

concrete and steel, 18 stalls, metal sash, damp-proofing, Barrett roof, hollow tile (electric lighting, heating and flooring reserved). Owners taking bids, due October 16th. Irwin

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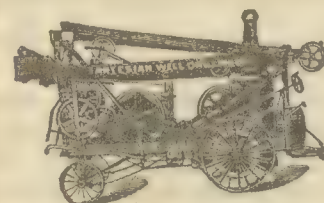
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& Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Garage, Wilmington, Del. Architect, Edw. C. May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick, 2 stories, 22x24 feet, slate roof, heating extension, electric lighting, concrete floors. Plans in progress.

Store (alts.), 807 Shipley street, Wilmington, Del., \$2,000. Architect, Roscoe C. Tindall, 914 Orange street, Wilmington, Del. Owner, Thomas Rossiter, on premises. Consists of interior alterations to basement. Architect taking bids. Charles J. Dougherty, 251 West Eighteenth street; Charles H. Tindall & Son, 614 Tatnall street, and Wayne D. Haddock & Co., 804 Orange street, all of Wilmington, Del., are figuring.

Store (alt. and add.), 16 West Lexington street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, David Bacharach, 16 West Lexington street, Baltimore. Brick and stone, 4 stories, 25x100 feet, slag roof, steam heating, electric lighting, metal lath, tile floors, fire doors, safety treads, cabinet work, store fixtures. Plans in progress.

Residence, Winsted, Conn. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, Edward C. Carpenter, Winsted, Conn. Frame, 2½ stories, 54x36 feet, shingle roof. Plans completed. Owner will sub-let all contracts.

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Miscellaneous Contracts Awarded

Dormitory Building, Newark, Del., \$75,000. Architects, Day & Klauder, 925 Chestnut st., Philadelphia. Owners, Delaware State College, Newark, Del. Brick and marble, 3 and 4 stories, 30x160 feet, slate roof, fireproof, metal lath, steam heating (plumbing, heating, electric work, tile work, interior marble and exterior marble, terra cotta partitions, roofing and furring separate bids). Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth

street, Philadelphia.

Store (alt. and add.), Ninth and King sts., Wilmington, Del. Architect, Edw. C. May, Dupont Building, Wilmington, Del. Owners, Mueller Bros., Ninth and King streets, Wilmington, Del. Brick, 4 stories, 105x67 feet, slag roof, steam heating, yellow pine floors, electric lighting, metal lath. Contract awarded to F. F. Vansant, 2 Fifth avenue, Wilmington.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Dwellings (14), 6710-36 North Hydenham street, \$42,000. Wm. Husler (O and C), 1309 Russell street. Brick, 3 stories, 16x37 feet, slag roof, hot water heat.

Dwelling, south side of Welling street, west of Rising Sun lane, \$2,850. David C. Anderson (O), Fifteenth and Lamerville. D. W. O'Dea (C), 5227 North Fifth street. Brick, 2 stories, 16x40 feet, slag roof, hot water heat.

Dwellings (32), west side of Broad street, north of Sixty-ninth avenue, \$84,200. Russell H. Foster (O and C), 3859 Sydenham. Brick, 2 stories, 16x128 feet, slate roof, hot water heating.

Manufacturing Building, Seventh and Willow streets, \$280,000. Wm. Warner (O), 639 North Broad street. Wm. Steele & Sons Co. (C), 1600 Arch street. Brick, 6 stories, 140x140 feet, asbestos roofing, steam heat.

Office, Fifth and Arch streets, \$25,000. J. Clifton Buck (O), 107 North Fifth street. Turner Concrete and Steel Co. (C), 1713 Sansom street. Brick, 3 stories, 30x30 feet, slag roof, steam heat.

Dwellings (21), Marsden street, north of Hellerman street, \$30,000. James Orr (O and C), 3532 Kensington avenue. Brick, 2 stories, 14x28 feet, slag roof, hot air heating.

Dwelling, 6426 Drexel road, \$12,000. J. H. Casaware (O), Overbrook, Pa. Milton W. Young (C), Overbrook, Pa. Brick, 3 stories, 51x26 feet, slate roof, steam heat.

Dwelling, Unruh and Marsden streets, \$3,300. Charles Miller (O), State road and Princeton avenue. Louis Deitrich (C), 3016 Comely street. Brick, 2 stories, 18x48 feet, slag roof.

Residences (12), 5023-43 Cottage street, \$25,400. Elizabeth Osborne (O and C), 5017 Duffield street. Brick, 2 stories, 15x46 feet, slag roof, hot air heating.

Dwelling, Broad and Wyoming avenue, \$10,000. Penn Realty and Const. Co. (O and C), Ogontz above Cheltenham avenue. Brick, 2 stories, 30x34 feet, slag roof, steam heat.

Dwellings (10), Haines street and Ogontz avenue, \$30,000. Shumagh Bros. (O and C), 2637 West Hagent street. Brick, 2 stories, 16x56 feet, slate roof, hot water heating.

Dwellings (10), Ogontz avenue, north of Haines street, \$30,000. F. A. Gehelans (O and C), 4709 North Broad street. Brick, 2 stories, 15x26 feet, slate roof, hot water heating.

Dwellings (6), west side of Rising Sun lane, \$13,200. S. W. Cauk (O and C), 5718

North Fourth street. Brick, 2 stories, 16x42 feet, slag roof, hot water heating.

Wwelling, Ruan street, east of Orchard street, \$2,500. Elizabeth Campbell (O), Orchard street, Frankford. M. E. Rodgers (C), 7732 Cottage street. Brick, 2 stories, 16x16 feet, slag roof, hot air heating.

Dwelling, west side of McClellan street, \$10,000. John K. McClatchey (O and C), 846 Land Title Building. Stone, 2 stories, 16x52 feet, slag roof, hot water heating.

Garage, Fifty-third and Overbrook avenue, \$900. Dr. Bales (O), on premises. John McClatchey (C), Land Title Building. Stone, 1 story, 14x21 feet, slate roof.

Coal Storage, 3242 North Twenty-first st., \$17,000. Estate of A. A. Calanach (O), North American Building. John N. Gill Co. (C), 1213-15 Filbert street. Brick, 2 stories, 60x60 feet, slag roof.

Dwellings (13), south side of Ludlow street, west of Fifty-eighth street, \$43,550. Frederick Peider (O), 847 North Ringgold street. James W. Havelow (C), 3010 Saybrook avenue. Brick, 2 stories, 15x24 feet, slag roof, hot water heating.

Office Building, Thirteenth and Market streets. Colonial Co. (O), Thirteenth and Market streets. Warren-Moore Co. (C), 520 Commercial Trust Building. Brick and concrete, 12 stories, 4x42 feet.

Dwellings (2), Herbert avenue, west of Large street, \$8,000. John Gathergham (O and C), 3367 Frankford avenue. Brick, 2 stories, 15x20 feet, tile and slag roof, hot water heating.

Dwellings (5), Mascher street, north of Loudon, \$12,500. Frank Schilling (O and C), 220 Northeast Boulevard. Brick, 2 stories, 15x29 feet, slag roof, hot water heating.

Garage (8), west side of Mascher street, north of Loudon (rear), \$3,200. Frank Schilling (O and C), 220 Northeast Boulevard. Brick, 1 story, 15x17 feet, slag roof.

Dwelling, Sixty-sixth avenue and Camac street, \$9,000. James Mifflin (O), 125 North Tenth street. George B. Bond (C), Sixty-sixth avenue and Thirteenth street, Oak Lane. Brick, 3 stories, 34x26 feet, slate roof, hot water heating.

Dwelling, Clivedan, west of Wissahickon avenue. John A. Seeds (O), Philadelphia. Wilbert O. Springer (C), 1624 Latimer street. Brick, 3 stories, 32x54 feet, shingle roof, hot water heating.

Alterations and Additions

Dwelling, 223 Lawson street, \$300. C. D. Struse & Co. (O and C), Manayunk, Philadelphia. Flush bulks, repairs.

Glass Factory, Schuylkill avenue and Catherine street, \$2,800. H. C. Fox & Son (O), on premises. Wilbert O. Springer (C), 1624 Latimer street. One-story addition, 20x30 feet, iron and wood roof.

Dwelling, 135 West Thompson street, \$1,000. J. Dugan (O), on premises. B. J. McKenna (C), 2643 North Hutchinson street. Brick, 1 story, 12x12 feet, slag roof.

Garage, 4721 Oakland street, \$700. Thos. Earley (O), 4721 Oakland street. George W. Croskey (C), 2264 Bridge street. Brick, 1 story, 18x21 feet, slag roof.

Garage, northwest corner Cotton and Fleming streets, \$300. W. J. Jenson (O), on premises. James King (C), 6422 Ridge avenue. Brick, 1 story, 12x20 feet, slag roof, cement floors.

Garage, 2412 Golf road, \$600. L. A. Davis (O), on premises. J. G. Miller (C), 2315 West Clearfield street. Stone, 1 story, 10x19 feet, slag roof.

Dwelling, Mermaid lane and Navaloe street, \$800. Dr. George Woodward (O), North American Building. John E. Walt (C), 204 East Willow Grove avenue. Repairs.

Store Building, 1311 Walnut street, \$850. Max Levy (O), Wayne Junction. H. B. Shoemaker (C), 1309 Walnut street. Alterations and repairs.

Store and Dwelling, 702 North Twenty-third street, \$445. John T. Brogan (O), 771 North Twenty-sixth street. Richard W. McGlathery (C), 2306 North Twenty-sixth st. Flush bulks and repairs.

Stable, Ninth and Girard avenue, \$4,000. Girard Avenue Market Co. (O), on premises. A. Raymond Raff Co. (C), 1633-35 Thompson street. Repair fire damage.

Dye House, Adams avenue, north of Unity street, \$1,500. Horrocks Bros. (O), Adams avenue. J. Gothergham (C), 3367 Frankford avenue. Repairs.

Store, Sixtieth and Cedar avenue, \$6g0. C. S. Toshpian (O), 306 South Sixtieth street. J. H. Hunt (C), 5917 Spruce street. New bulks and repairs.

Store, 1230 Columbia avenue, \$500. Conrad Busch (O), 1360 Colwyne street. Elfreth & Co. (C), 1708 Sansom street. Flush bulk alterations.

Light manufacturing, 2040-52 North Tenth street, \$4,000. Frank H. Flier Corp. (O), Thirty-third and Arch streets. George W. Reilly (C), Lansdowne, Pa. Repairs and alterations.

Saloon, 931 North Fifth street, \$300. John Wolf, Jr. (O), 925 North Fifth street. Philip Harback Cont. Co. (C), 1261 North Twenty-sixth street. Interior alterations.

Dwelling, 2034 Cheltenham avenue, \$1,200. Mary McClure (O), 2034 Cheltenham avenue. Robert Kellog (C), Wayne avenue and Duval street. Brick bulk, 1 story, 8x16 feet.

Stable, Thirty-first and Jefferson streets, \$750. Bergner & Engel Co. (O), Thirty-second and Master streets. E. E. Hollenbach (C), Fifteenth and Race streets. Alterations and repairs.

Store and dwelling, 1827 North Ninth st., \$300. Elizabeth Miller (O), 1831 North Ninth street. Henry P. Schneider (C), 3713 York road. Flush alterations.

Store and dwelling, 1909 North Twenty-third street, \$400. Joseph R. Swartz (O), 1905 North Twenty-third street. J. F. Wal-

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ler (C), 1233 Olive street. Bulks and interior repairs.

Kitchen, 4508 Richmond street, \$300. Geo. Gillingham Sons (O), on premises. Fred. M. Rlonech (C), 4509 Edgemont street. Frame, 1 story, 10x6 feet, slag roof.

Boiler House, 226 South Nineteenth street (rear), \$800. R. Wisler Harvey (O), 226 South Nineteenth street. James Johnston (C), 1721 Ludlow street. Brick, 1 story, 14x5 feet, cement floors, hot water heating.

Shop, 600-12 Schuylkill avenue, \$3,000. J. A. Patterson Co. (O), 130 South Sixteenth street. George Sloane (C), 2038 Sansom street. Brick front addition, 2 stories, 48x82 feet.

Manufacturing Building, Fourth and Lehigh avenue. Quaker Lace Co. (O), on premises. Wm. Steele & Sons (C), 1600 Arch street. Repairs.

Stable, Forty-seventh and Woodland avenue, \$675. George C. Rahn (O), on premises. Charles Fischer (C), 3654 North Marvino street. Brick rear, 1 story, 17x20 feet.

Dwelling, 240 Monroe street, \$2,500. Majestic Building Loan (O), 301 Morris Building. Nathan Eiplet (C), 301 Morris Building. Alterations and repairs.

Dwelling, 5211 Girard avenue, \$750. Geo. Ashley (O), on premises. Mitchell Bros. (C), 2125 Race street. Two-story addition, brick, 12x16 feet.

Storage Building, Nineteenth and Hamilton streets, \$500. Graham Estate (O), on premises. John N. Gill & Son (C), 1215 Filbert street. Alterations.

Manufacturing Building, Nineteenth and Hamilton streets, \$800. Graham Estate (O), on premises. John N. Gill (C), 1215 Filbert street. Alterations and repairs.

Dwelling, 1428 South Sixteenth street, \$750. Paffaele Demares (O and C), on premises. Brick addition, 2 stories, 9x12 feet, slag roof.

Residence, 2838 Columbia avenue, \$600. Dr. Buckley (O), on premises. John J. Barger (C), 2518 Columbia avenue. Hot water heating system.

Dwelling, 317 South Fifteenth street, \$600. Dr. R. G. Beule (O), on premises. R. W. Neff (C), 6610 Germantown avenue. Brick addition, 1 story, tin roof, 14x4 feet.

Dwellings, 1404-16 North Fifty-second st., \$1,500. Lewis Marko (O), on premises. Max Shaffer (C), 602 Hoffman street. Brick addition, 1 story, 15x12 feet, slag roof.

Boiler House, corner American and Pike streets, \$1,400. Schuylkill Forge Co. (O), on premises. John J. Harding (C), 723 North Twenty-sixth street. Brick addition, 1 story, 17x42 feet, slag roof.

Dwelling, 1211 Latona street, \$400. Michele Riccarde (O), 1211 Latona street. N. Batholomew (C), 1241 Christian street. Rear addition, 2 stories, 11x15 feet, slag roof, brick.

Office, Fifty-third and Overbrook avenue, \$1,600. Dr. Bates (O), on premises. John H. McClatchey (C), Land Title Building. Office, stone, 1 story, 12x12 feet, slate roof.

Dwelling, Fifth and Rockland streets, \$600.

Wm. Krihne (O), 5423 North Fifth street. Francis J. Blatz (C), 5007 North Sixth st. Kitchen, brick, 1 story, 11x16 feet, slag roof.

Dwelling, 3903 Spruce street, \$5,000. Mrs. Fritz (O), 3903 Spruce street. George W. Payurt Co. (C), 401 South Juniper street. Alteration to bath on second floor, new bath on third floor, repairs.

Shipping room, 43 South Second street, \$400. Montgomery Bros. (O), on premises. Wm. Mayer Co. (C), 216 Quarry street. Flush bulk alterations.

Garage, 339 Lamonte street, \$300. Harry Lesser (O and C), on premises. Stone, 1 story, 24x18 feet.

Garage, American and Oxford streets, \$800.

Garage, Rawn street, east of Oxford street, \$2,000. Elizabeth Campbell (O), Orchard street. M. E. Rodgers (C), 7732 Cathage st. Brick, 1 story, 60x20 feet, slag roof.

Dwelling, 1243 South Thirteenth street, \$350. Gennan Di Angiolella (O), on premises. G. DeMarco (C), 1224 Christian street. Flush bulk repairs.

Storage, 126 South Ninth street, \$4,000. Ernest Jambor (O), on premises. Daniel J. McNamce (C), 1621 North Fifteenth street. Install elevator.

Store and dwelling 1831-33 North Thirty-first street, \$2,000. Louis Ketz (O), on premises. Morris Baksi (C), 1540 North Sixth street. Repairs and alterations.

Residence, Fifty-fourth and Race streets, \$455. Mrs. Grannum (O), on premises. E. F. Shallow (C), 2621 Hamilton street. Hot water heating plant.

Store, 32 South Sixtieth street, \$600. Nixon Nirdlinger (O), South Broad Street Theatre. Basch & Co. (C), 1426 South Front street. Flush bulk, repairs.

Store and dwelling, 4101 Germantown avenue, \$450. G. Caruso (O), on premises. Anthony Zuesnecker (C), 1632 Hunting Park avenue. Brick rear, 1 story, 15x5 feet, slag roof.

Storage, 1332 Washington avenue, \$8,000. Penn Chemical Works (O), on premises. Nickson & Dugan (C), Bailey Building. Repair roof.

Chimney, Reed street, west of Delaware avenue, \$1,810. Pennsylvania Railroad (O), Broad Street Station. H. R. Heimeke, Inc. (C), Drexel Building. Brick, 20 feet.

Dwelling, 1007 Spruce street, \$2,000. Dr. Lewis Fisher (O), 1326 South Fifth street. J. Rose & Son (C), 5121 Brown street. Interior alterations.

Garage, 1837-39 Woodstock street, \$1,500. Thomas Snowden (O), 1901 Fairmount avenue. Davis & Clayton (C), Philadelphia. Brick addition, 1 story, 18x46 feet, slag roof.

Dwelling, 2004-06 Tioga street, \$800. Mrs. A. Haescher (O), on premises. Penn Building Co. (C), Philadelphia. Interior alterations.

Storage, Rosehill and Cambria streets, \$4,100. Peter Cavanaugh (O), on premises. Wm. Ashton (C), Mascher and Olney avenue. Brick, 1 story, 50x78 feet, slag roof.

Store Building, 1306 Arch street, \$1,500. B. Alexander (O), Hale Building. H. Henward (C), 1509 Wood street. Brick rear, 2 stories, 20x30 feet, elevator, slag roof.

Warehouse, 2026-30 Lombard street, \$1,500. Richard Corgan (O), 236 South Twenty-first street. Clayton Lofland (C), Water and Race streets. Fire door, 1 story, brick, 2x5 feet, slag roof.

Dwelling, west side of Edison avenue, north of Cemetery lane, \$450. G. W. Mackezie (O), Lamerston, Philadelphia. Tlely, Lamerston. Rear addition, brick, 2 stories, 13x11 feet, slag roof.

Stable, 407 Wallace street, \$700. Lewis Isaacson (O), 408 Fairmount avenue. M. Pilner (C), 618 Spruce street. Repairs.

Store and dwelling, Juniper and Shunk streets, \$2,500. Charles Ganganer (O), on premises. H. D. Prettyman (C), 2603 South Broad street. Interior alterations and repairs.

Garage, 1625 Spencer, \$850. S. Fromm (O), 1625 Spencer street. Harry X. Yerger (C), 4430 North Nineteenth street. Brick, 1 story, slag roof, 14x20 feet.

Dwelling, 2311 East Clearfield street, \$400. J. Fralinger (O), on premises. Wm. Falkenberg (C), 2005 North Fifth street. Brick, 1 story, 14x9 feet, rear addition.

Building, east side of Richmond street, \$4,000. Cramp Ship Co. (O), Philadelphia. Hoffman Eng. and Const Co. (C), Philadelphia. One-story addition, iron, 43x60 feet.

Dwelling and store, 1919 Orthodox street, \$900. Annie Stanley (O), on premises. L. C. Carr (C), 1654 Dyrall street. Brick front addition, 2 stories, 14x7 feet, slag roof.

Garage, Marsden and Unruh streets, \$600. Charles Miller (O), State road and Princeton street. Louis Deitrich (C), 3016 Coly street. Brick, 2 stories, 12x31 feet, slag roof.

Frame Dwelling, 5809 Dilman street, \$450. John Merkle (O), on premises. Louis Deitrich (C), 3016 Comly street, repairs.

Garage, 3027 Memphis street, \$1,800. Albert Haas (O), on premises. Jacob Gaerfuer (C), 22y4 North Third street. Stone, brick and iron, 1 story, 18x80 feet, slag roof.

Church, Twentieth and Cherry streets, \$1,600. St. Clement's Church (O), Twentieth and Cherry streets. B. Ridgway (C), Ninth and Columbia avenue. Repairs and alterations.

Store, 223 Lawson street, \$300. C. O. Struse (O and C), Manayunk, Philadelphia. Flush bulks, repairs.

Office Building, 1936 East Cumberland st., \$2,500. F. P. Buckley (O), 739 Lincoln drive. Wm. Stone Sons (C), 2069 East Dauphin st. Two-story rear addition, brick, 15x15 feet, slag roof.

Dwelling, 50 North Paxson street, \$575. W. C. Cox (O), 50 North Paxson street. Fredrick Hahn Co. (C), 237-39-41 Broad street. Hot water heating system.

Garage, 640-42 North Sixteenth street, \$1,100. J. S. Ivins (O), 625 North Broad street. Acetylene Gas Const. Co. (C), 505

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Cherry street. Brick, stone and cement, 1 story, 12x12 feet, hot water heating system.

Garage, 6426 Drexel road, \$2,100. J. H. Casamare (O), Overbrook, Pa. Milton W. Young (C), Overbrook, Pa. Brick, 1 story, 23x27 feet, slate roof, stone.

Store and Dwelling, 1023 Montgomery avenue, \$400. Wm. Jfeiffer (O and C), 1753 North Warnock street. Repairs and alterations.

Dwelling 4727 Leiper street, Frankford, \$300. H. Grennswood (O), 4727 Leiper st. James Spear Co. (C), 1823 Market street. Hot air heating system.

Store and Dwelling, Broad and Poplar sts., \$2,800. William Connor (O), on premises. W. S. Snyder (C), 4502 Springfield avenue. Two-story rear addition, 16x10 feet, alterations.

Hotel and Store, Eighth and Chestnut sts., \$400. Continental Trust Co. (O), Twelfth and Chestnut streets. Blot & Baust (C), 421 East Fifty-eighth street. New flush bulks.

Dwelling, 1927 North Third street, \$385. John Keenan (O), on premises. Peter Kurtz (C), 2343 North Fifth street. Two-story brick addition, 11x12 feet.

Stable, 1449 South Eighth street, \$300. H. M. Ott (O and C), 3802 West Girard avenue. Interior alterations.

Garage, 6121 Walton street, \$950. Wm. Walz (O), on premises. Wm. Frame (C), 835 Holly street. Brick, 1 story, 20x35 feet, slate roof.

Dwelling, 1934 East Cumberland street, \$1,00. F. P. Buckley (O), 739 Lincoln drive. Wm. Stone (C), 2069 East Dauphin street. New front, interior alterations.

Dwelling, 34 Queen street, \$300. A. Lierman (O), Fifth and McKean streets. M. Singer (C), 540 Wharton street. Two-story rear addition, 10x15 feet, tin roof.

Dwelling, Corelan, west of Germantown avenue, \$3,800. Germantown Friends' School (O), on premises. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Brick, 1 story, 36x37 feet, slag roof.

Foundry, north of Rufus street, \$5,000. Niles Bemont Pond Co. (O), Twenty-first and Callowhill streets. Frank A. Havens (C), 845 North Nineteenth street. Brick, 1 story, 79x24 feet, reinforced concrete roof.

Garage, 3424 Coral street, \$500. Wm. A. Rees (O), 3424 Frankford avenue. Basnes Bros. (C), 2080 East Willard street. Brick, 6x12 feet, slag roof.

Dwelling, 6118-28-38 Locust street, \$2,000. Wm. West (O), 719 Pine street. Paul J. Haft (C), 245 South Eighth street. Steam heating system.

Dwelling, 1238 North Sartain street, \$350. Francis McIlhenny (O), 1035 Commercial Trust Building. H. Boarse (C), 665 North Fifteenth street. tin roof repairs.

Dwelling, Carpenter street and railroad, \$385. Mrs. Frederick Snyder (O), on premises. Stokes Bros. (C), 6713 Grau street, repairs.

Manufacturing Building, Twenty-third and Vine streets, \$1,500. Newton Machine Works (O), on premises. Rush J. Whiteside Sons (C), 2115 Wallace street. Repairs and alterations.

Manufacturing Building, 5202 Wakefield street, \$00. Wm. Pollinrock (O), on premises. Joseph Theerman & Co. (C), 92 Callan st. One-story rear addition, brick, 14x18 feet, slag roof.

Dwelling and Store, 3002 Wharton street, \$1,300. J. Boxman (O), 3000 Wharton street. Max Collier (C), 615 Morris street. Two-story brick addition, 14x18 feet, slag roof.

Dwelling, 5361 Pulaska avenue, \$325. J. Smith (O), on premises. E. Cosnell (C), 332 Queen lane. Brick, 2 stories, 16x12 feet, tin

roof.

Kitchen, 918 South Nineteenth street, \$474. George Shinehouse (O), Twenty-second and Fitzwater streets. Benj. Makin (C), 757 South Twenty-second street. Brick and stone, 1 story, 12x11 feet, slag roof.

Dwelling, 46 East Sedgwick avenue, \$400. Miss L. D. Lovett (O), on premises. Levi Kelselman (C), 125 East Upsal street, Roofing and repairs.

Store and Dwelling, 1133-35 Callowhill st., \$1,650. Aug. Briel (O), on premises. Frank L. Wentz (C), 1618 North Twenty-second street. One-story brick addition, 18x37 feet.

Store and Dwelling, 4663 Frankford avenue, \$425. Louis Salisnick (O), 4661 Frankford avenue. J. K. Winakur (C), 1004 East Moyamensing avenue. Flush bulk, alterations.

Dwelling, Forty-sixth and Chester avenue, \$1,900. Mrs. Mary Eagail (O), on premises. Harvey H. Cruck (C), 170 East Walnut lane. Brick, 2 stories, 8x20 feet, slag roof.

Store and Dwelling, 1221 Walnut street, \$1,328. Hary Holly (O), 643 North Fifteenth street. A. McClintock (C), 1937 Ridge avenue. Hot water heating system.

Store and Dwelling, 320 West Penn street, \$500. M. O'Neill (O), on premises. Harry Slass (C), 1809 North Seventh street. One-story rear addition, brick, 14x18 feet, tin roof.

Manufacturing, 1135-37 South Fifty-eighth street, \$300. Francis H. Theole (O and C), Penn Square Building. Repairs.

Dwelling, 2002 Chestnut street, \$400. John M. Kennedy (O and C), 1001 Chestnut street. Interior alterations, heating.

Manufacturing Building, Twenty-fourth and Allegheny avenue, \$700. Alfred Wolsenhole & Sons, Inc. (O and C), on premises. Brick, 1 story, 25x79 feet, slag roof.

Storage Building, 2133 Hunting Park avenue, \$7,000. Link Belt Co. (O and C), on premises. Repairs and alterations.

Garage, northeast side Boane street, east of Leverington avenue. Benj. Gardner (O and C), 329 Leverington avenue. Concrete, 1 story, 8x15 feet, concrete roof.

Manufacturing Building Forty-first and Sedgley avenue, \$1,000. Pecora Paint Co. (O), on premises. John Wiggins (C), Heed Building. Repairs.

Dwellings (3), 6118-28-38 Locust street, \$550. W. West (O), 713 Pine street. A. Barsky (C), 636 Pine street. Chimneys.

Building, 428-38 North Thirteenth street, \$750. Wm. Stewarts (O), on premises. Mitchell Bros. (C), 2125 Race street. Elevator.

Bakery, 440 Belgrade street, \$300. Ph. Wunderle (O), 118 Pegg street. Albert Zellfelder (C), Broad and Walnut street. Alterations.

Storage Plant, 1121 South Eleventh street, \$400. Roberts-Manders Co. (O), Eleventh and Washington avenue. Henry C. Dahl (C), 231 South Eighth street. Two-story brick addition, 14x36 feet, slag roof.

Dwelling, 1406 South Fifth street. Finkleberg (O), on premises. Shestock & Co. (C), 528 Reed street. Repairs and alterations.

Paper Mill, Miran street, north of Fountain street. Philadelphia Paper Co. (O), Manayunk. Monaghan & Losse (C), 3016 Chestnut street. Concrete and steel, 1 story addition, 146x47 feet, slag roof.

Manufacturing Building, Swanson and Snyder avenue, \$4,300. General Manufacturing Co. (O), on premises. L. P. Freund (C), Norristown, Pa. Brick, 1 story, 51x35 feet, slag roof.

Dwelling, 428-38 North Thirteenth street, \$750. Wm. Stewarts (O), on premises. Mitchell Bros. (C), 2125 Race street. Elevator.

Store, 1220 Vine street, \$395. E. Markes (O), 1717 St. Gender street. Lam Building Co. (C), 1101 Wood street. Repairs.

Business, 4367 Germantown avenue, \$500. John Greenaway (O), Hanover, Pa. Davidson Const Co. (C), Nanover, Pa. Low pressure heating system.

Store and dwelling, 1801 South Twelfth street, \$550. L. Batici (O), on premises. Dom Montello (C), 715 Fulton street. Two-story addition, 15x12 feet, slag roof.

Office Building, 224 South Third street, \$500. Westmoreland Coal Co. (O), on premises. J. Harvey Rea (C), 1019 Appletreet street. Repairs.

Store and Dwelling, 829 Fitzwater street, \$1,800. Antonio Tumara (O), 733 South Ninth street. John Patava (C), 710 Fitzwater st. Flush bulk, alterations and repairs.

Dwelling, Howell street, west of Tulip st., \$1,000. C. R. Holland (O and C), 5906 Tulip street. Frame, 1 story, 24x43 feet, hot air heater.

Garage, 5249-51 Germantown avenue, \$2,000. Dr. Joseph Graham (O), 15 Queen street. M. J. Lester (C), 6307 Wakefield street. Brick, 1 story, 20x150 feet, slag roof.

Thomas Walstenhohns & Sons Co. (O), Frankford avenue and Westmoreland street. H. R. Henick, Inc. (C), Drexel Building. Cost, \$3,620. Chimney, brick, 150 feet high, east side of Braddock street.

James Brown (O), 3045 Germantown avenue. J. Y. Laux (C), 1121 Rising Sun lane. Cost, \$5,000. Store and dwelling, 2-story rear addition, brick, 32x28 feet, slag roof, 3040-42 Germantown avenue.

Krant & Lite Manufacturing Co. (O), Emerald and Allegheny avenue. Banus Bros. (C), 2080 East Willard street. Cost, \$1,000. Office, alterations, 1952 East Allegheny avenue.

Proposals

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 25, 1916.—Sealed proposals will be opened in this office at 3 P. M., October 31, 1916, for the construction, complete, of the United States post office at Woodbury, N. J. Drawings and specifications may be obtained from the custodian of site at Woodbury, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

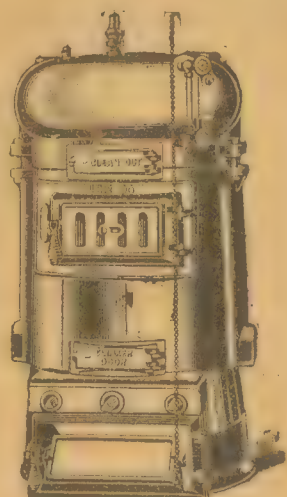
TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 2, 1916.—Sealed proposals will be opened in this office at 3 P. M. November 14, 1916, for the construction of the United States post office at Media, Pa. Drawings and specifications may be obtained from the custodian of the site at Media, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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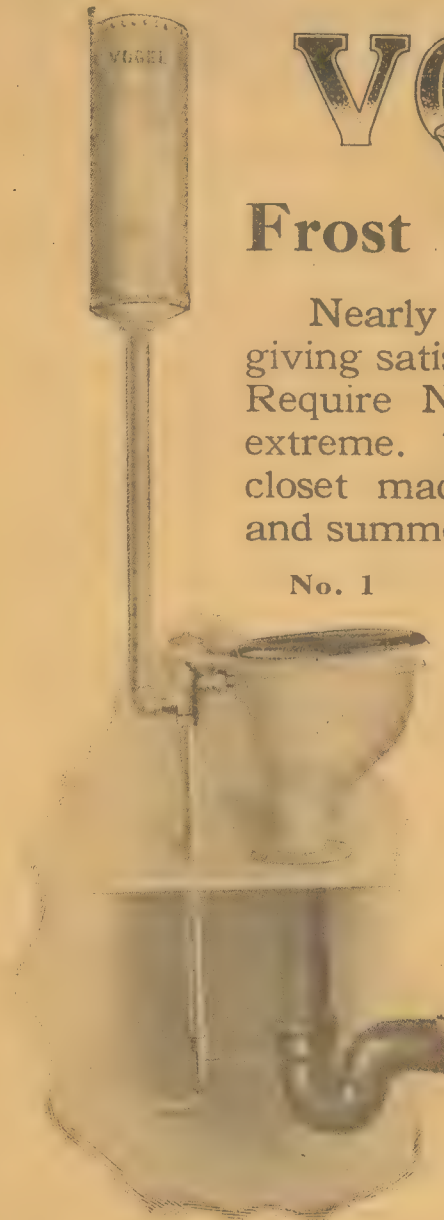
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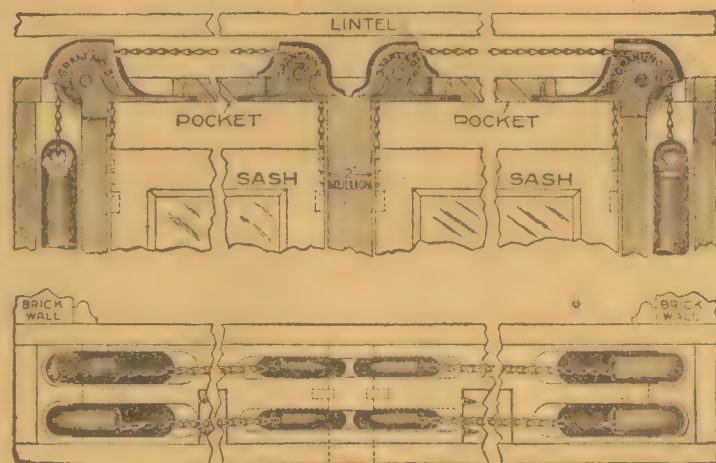
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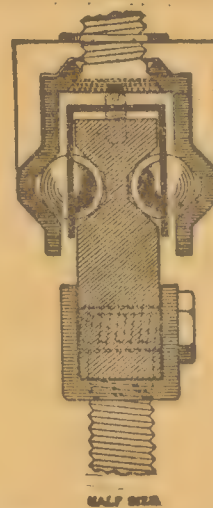
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Vol. XXXI., No. 42.

PHILADELPHIA, WEDNESDAY, OCTOBER 18, 1916.

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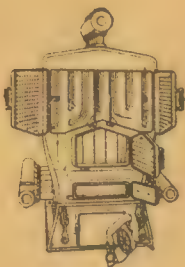
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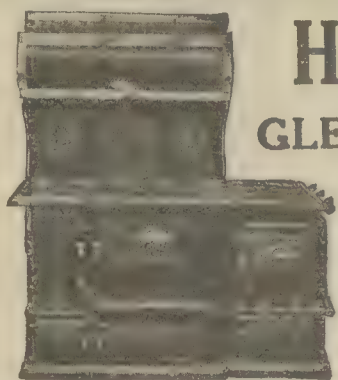
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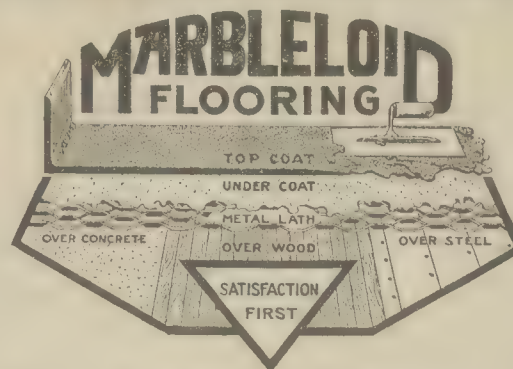


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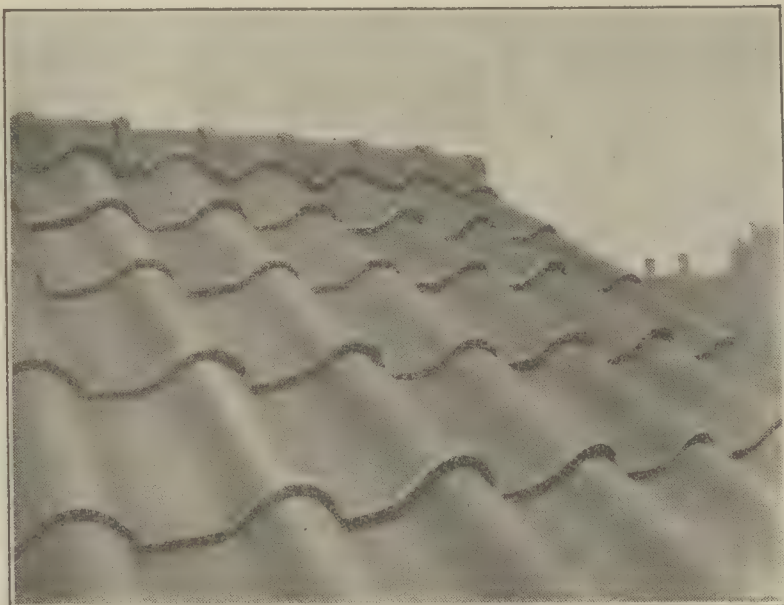
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These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 42

PHILADELPHIA
October 18, 1916



As The Editor Sees It



THE collapse of a building at 188th street and Marion avenue, in New York City, has given rise in that city to serious discussion touching the question of how to deal in the most effectual fashion with the "jerry" builder. William H. Kraemer, who claims eighteen years' practical experience as a mason and building superintendent, contributes an interesting note under the heading, "Why Buildings Collapse," to the *New York Times*:

"The collapse of the building at 188th street and Marion avenue brings out a condition which needs serious attention," writes Mr. Kraemer.

"There are quite a number of so-called wall-bearing wooden beam construction buildings erected in large cities continuously which are not safe structures, due to various reasons, such as speculative builders trying to beat the high cost of labor and materials by rushing the work and slighting specifications and Building Code, lack of inspection on the part of owners and authorities, and, in many cases, utter lack of experience on the part of the bidder.

"On speculative work any man or group of speculators can organize what is called a building company. The usual method is to purchase ground and arrange for a loan, buy a set of plans, and proceed with the letting of sub-contracts, peddling them to the lowest bidders and driving hard bargains. In most cases the construction company does its own mason and carpenter work—this, of course, is done as cheap as possible; mortar usually is of a poor quality, consisting of sand with about half of the proportion of lime and cement called for in the code; lime often is freshly slaked and used before it has had time to cool and season. The brick are generally laid without wetting, and the result is no tensile strength or bond between mortar and brick.

"When a story height is reached the beams are slapped on green walls, and sometimes another story is erected in eight hours thereafter. I have seen numerous cases where the wall anchors that secure walls to floors were omitted, purely due to negligence. On a steel skeleton construction the risk is much less, as the frame will hold the building together even if carelessness is used on mason work.

"There are hundreds of so-called contractors who have obtained their building experience in a clothing shop or behind a pushcart. This condition can be remedied by legislation compelling an examination for qualification as builder, strict inspection and impartiality by the Building Department, and more superintendence by architects instead of merely drawing up and selling plans and specifications. Unless we have reforms like these the high cost of material, labor, and the speculator-contractor's desire to make big profits and quick turnovers are going to injure the building trade even more than they already have done."

* * *

ALL of which would seem to bear out certain views advanced in these columns from time to time regarding the "irresponsible" type of operative builder,—the fellow who without previous training in the building field romps into it on the theory that the house that holds together until it has found a purchaser is everything that an operative dwelling should be. The bureau of building inspection can do but little to check this class of building, first, because the regulations are weak and inconclusive and, second, because the force of inspectors placed at its disposal is pitifully inadequate numerically to deal with the problem. The remedy would seem to lie in a careful revision of the regulations applying to this class of building together with drastic punitive measures

for those who attempt to evade them.

As a class, here in Philadelphia, the operative builders are a credit to the craft. It is the new and untrained foreign element, coming into the field from other occupations, that is responsible for the shoddy order of operative building.

This class cares nothing for regulations, regarding regulations generally as something to be evaded. The structures they erect commonly "go to pieces" within five years. They are saved from collapse, as a rule, by the adjoining party walls, it being a custom of the type of builder we have in mind to build a single house or a pair of houses here and there, rather than to operate on a large scale.

* * *

ONE of the advantages of the new joining system in New York is that it restricts the building of garages to certain prescribed sections of the city.

Before the adoption of the zone plan the garage was free to locate in any part of the city. One good residential block after another has been progressively invaded by the garage, with the result that the value of the block for residential purposes has been largely destroyed. All this waste has been stopped by the zone resolution. Already a score or more of good residential blocks have been saved from the garage blight. The garages that would otherwise have been located in these residence sections have found more suitable locations.

Explaining the value of the new law, Robert H. Whitten, Secretary of the Committee on City Plan, said:

"The zone resolution permits in a residence district the erection of a private garage for not more than five automobiles on the same plot with the residence which it serves. It permits in a business district a garage, either public or private, for not more than five motor vehicles.

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"With the approval of the Board of Appeals, however, a public garage will be permitted in any block in a business district in which there existed a public garage at the time of the passage of the zone resolution. This will permit the creation of certain garage blocks in the business districts. Except as above specified, public garages must be located in the 'unrestricted district.'

"The unrestricted districts are in general those in which a factory or industrial development is anticipated, but in small areas have been left 'unrestricted.'

"The space available for the location of public garages under the zone plan is well distributed and adequate for future needs. It may be possible, however, that as the demand for garage space increases it will be necessary in a few localities to provide additional unrestricted areas. This can be done at any time by the Board of Estimate either on its own motion or on petition.

"Such action can, however, only be taken after public notice and hearing, and if the owners of 20 per cent. of the frontage affected protest against such change it can only be made by a unanimous vote of the Board of Estimate.

"An automobile salesroom where cars are kept for sale or for demonstration purposes only may be erected in any business district. An automobile repair shop must locate in an unrestricted district. The zone resolution does not affect existing garages or those for which plans were on file on July 25, 1916."

* * *

PORTLAND, ORE., has prepared and issues in printed loose-leaf form standard specifications for all material and methods to be used in all structures and work carried on under the city's supervision. These specifications do not, of course, refer to any particular work, but are strictly general in character and are issued unbound to any contractor on application. This plan simplifies the preparation of specifications on new work to such a degree that but little more than detailed drawings is necessary.

The labor of getting out specifications is still further simplified by photographing both the text and the drawings, so that the space covered and the cost of producing one or two dozen copies are a minimum. This is made feasible by typing the specifications, single space, on a sheet about twice letter-head size, and then making an 8x10-inch negative of the large sheet. The drawings are likewise photographed on 8x10-inch plates; and even though certain minor details and figures are lost in process of reduction, it is believed that for estimating all the data really needed will be legible.

For construction purposes, of course, blueprints of the original drawings are used.

Under this system the amount of text accompanying the drawings, even on extensive work, is notably slight, and this is because wherever materials or methods are involved which are covered in the list of standard specifications already referred to, the page and paragraph of the references are all that need be given to make the standard list a part of the contract covering the particular work in hand.

Photographs of specifications for small jobs are printed on heavy velox paper, and where more extended reference is anticipated a special cloth paper is used. In either case the collection of photographs of drawings and text is fastened together inside a cloth blueprint cover, on the outside of which the title and general information are printed.

The plan has been used for some time by Philip H. Dater, city engineer of Portland.

* * *

NEWARK, N. J., is busy with a movement to compel the man who owns a vacant lot within the city boundaries to keep that lot in a slightly and attractive condition.

"Why shouldn't cities pass ordinances compelling vacant lot owners to keep their property in a condition of cleanly sightliness and order, to be prescribed and standardized?" asks *Realty*.

"Why should Jones, on the corner of Spruce street and Avenue Beautiful invest \$20,000 in a house and lot and keep it in good order—a pleasure to the eye of every passerby—and Brown, who sold him the lot and who owns the remainder of the block, be permitted to maintain weed-choked, unsightly and unsanitary nuisances alongside of him and his neighbors? The public has a direct interest in the proper management of every piece of real estate within the city limits. The owners of improved property alongside of vacant property have an interest therein. It is an advantage to the vacant lot owner to dress his property and so maintain it as to make it attractive and saleable, and so to use it as not to impose disadvantage or a nuisance upon adjoining property improved or unimproved. Owning real estate entails an obligation; it is not a license to do as you please with it or permit Nature to do as she pleases with it.

"Every lot in every incorporated village, town or city should be kept in a condition to make all streets community parkways—a pleasure to the senses of all city folk. That would be one way of making life in cities popular, increasing traffic in lots and houses, and beautify-

ing and rendering more healthful what is now often unsightly and insanitary.

"Make every vacant lot a picture of green grass, trees, shrubs or flowers, and the days of the realty man will be long and profitable, and his name and works will be blest."

* * *

Here is an idea that is not without engaging qualities. A campaign, here in Philadelphia, aimed at the hideous and defacing billboard nuisance and the weed-grown rubbish-strewn vacant lot would strike the popular chord.

We had an instance of the commercial value of neatness brought to our attention here recently. A West Philadelphia real estate man had for sale a beautiful old place which having long been idle had begun to show signs of neglect. Purely as an experiment the agent had the grounds slicked up, the grass trimmed, the weeds removed, the fences repaired and the porches swept and scrubbed. Within a month after these changes were made the place found a buyer. How many idle properties remain tenantless because of similar inattention present an interesting theme for conjecture.

* * *

IT'S an old saying in the trades that "everybody knocks the contractor."

Well, here's a boost from *Knickerbocker Comments*. It is called "A Toast to the Contractor," and runs like this:

"He deserves a double toast—one for his burdens, the other for his mission and the larger meaning of work.

"He is a peg on which every one connected with a building enterprise wants to hang his troubles—and his delinquencies.

"He is the wizard whose reading of plans and specifications must be free from error, even if they are not.

"He's the wizard who must be able to foresee unforeseen circumstances, who must prevent unpreventable interference with his job.

"He is the wizard who must put up his plants in a temporary location with all the efficiency of a permanent establishment.

"His mission is to do 'real constructive work.' It is symbolical of the right kind of enterprise and activity. It is the contractor who turns projects into realities. He stands for the 'realization' of things planned, which is the essence of all achievement.

"Here's to the contractor, the man who literally built up the country!"

And the contractor deserves every word of it.

EDITORIAL NOTES

A Western Congressman, who has been building a very handsome and spacious residence, was asked by one of his colleagues how the house was progressing. "It is all completed," was the reply. "All I need now is a parrot." "A parrot?" queried his friend. "Yes," replied the Congressman, "I want a parrot. I want the bird to roost over the front door and just say 'Fool! Fool!' every time he sees me come up the walk!"—*Washington Post*.

* * *

Officers were elected and delegates to the annual convention of architects were chosen at the forty-eighth annual meeting of the Philadelphia Chapter of the American Institute of Architects, held at the Meridian Club. The officers elected are:

President, Horace Wells Sellers; first vice-president, John P. B. Sinkler; second vice-president, Emlyn L. Stewardson; secretary, Edward A. Crane; recorder, Arthur I. Meigs; treasurer, Edmund C. Evans; Executive Committee, Edmund B. Gilchrist, H. Bartol Register, Frank R. Watson.

Delegates to the annual convention of the American Institute of Architects, to be held at Minneapolis on December 6, 7 and 8: Edward A. Crane, ex-officio; C. L. Borie, Jr., D. K. Boyd, Albert Kelsey, J. P. B. Sinkler, George I. Lovatt, A. I. Meigs, John Hall Rankin, Edgar V. Seeler, Charles Z. Klauder. Alternate delegates, L. V. Boyd, A. H. Brockie, E. C. Evans, T. M. Hastings, C. A. Zeigler, G. B. Page, W. L. Plack, E. L. Stewardson, F. R. Watson.

* * *

Members of the Master Builders' Exchange, about 250 of them, were the guests of the Charles Warner Company, at its Cedar Hollow plant, near Phoenixville, on Thursday last, and everybody who accepted the hospitality of the Warner Company had a glorious time.

It has been the custom of the Exchange for some years past to give an automobile run about this season of the year, to some point of interest in the neighborhood of Philadelphia. Having this in mind, the Warner Company times its invitation to coincide with the usual Fall outing of the Exchange.

The start was made from the Exchange between ten and eleven o'clock, each machine being sent off as soon as loaded, and left to its driver's discretion as to the route to be taken. Some went by way of the West Chester Pike and

Paoli, others by the Lancaster Pike, and others by still other routes. All arrived between twelve and one o'clock, however, each man bringing his appetite with him.

As soon as a car arrived, its occupants were welcomed by President Warner, or some other official of the company, and escorted to a huge tent at the western end of the plant, where luncheon was served.

After luncheon, the visitors were taken in groups through the plant where every process in the manufacture of lime from the quarry to the finished hydrated product in bags ready for use, was shown and explained, the affair winding up with the explosion of a ton and a half of dynamite in the large quarry opposite the principle kilns. Drilling of the rock in preparation for this "shot," as it is termed, occupied two weeks' steady work with huge pneumatic drills.

This huge mass of dynamite was exploded at 3.30 o'clock and loosened thousands of tons of rock.

Just before the visitors began leaving, at the suggestion of President George J. Watson, of the Builders' Exchange, three rousing cheers and a vote of thanks were given the Warner Company.

* * *

Comparative statistics of building and engineering operations in New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iowa, Wisconsin, Michigan, Minnesota, North and South Dakota and portions of Missouri and Eastern Kansas, as compiled by the F. W. Dodge Company:

Contracts awarded January 1 to October 1, 1916, \$970,251,397; 1915, \$680,615,100; 1914, \$579,042,100; 1913, \$682,425,500; 1912, \$627,477,000; 1911, \$607,638,813; 1910, \$633,002,305.

Comparative statistics of buildings and engineering operations in New York State and Northern New Jersey, as compiled by the F. W. Dodge Company:

Contracts awarded January 1 to October 1, 1916, \$180,803,500; 1915, \$120,400,500; 1914, \$100,206,000; 1913, \$214,106,500; 1912, \$186,517,000; 1911, \$183,429,000; 1910, \$186,517,000; 1911, \$183,429,000; 1910, \$186,084,000.

* * *

In Russia the stoves are made of brick and are so built in that the family sleeps over the top in order to keep warm.

In China there is a rough clay stove

made especially for the rice kettle. These stoves sell for a few cents. The Chinese also have a clay "bed stove," shaped something like a curled-up cat and used like an American water bottle.

In Germany they have stoves made of porcelain, curiously decorated. Porcelain stoves hold the heat a long time.

In Italy they use an earthen hand warmer with good results.—*Clay Magazine*.

* * *

National Hardware Association and the American Hardware Manufacturers' Association will hold a convention at Atlantic City, N. J., October 17-20. Headquarters will be located at the Marlborough-Blenheim Hotel.

* * *

It is reported that the forthcoming exhibition of architecture and the allied arts, in Boston, will be held in surroundings worthy of its architectural excellence. While the exhibitions of later years have been of high merit, the inability to secure adequate exhibition rooms robbed these presentations of much of their dignity.

It is now announced that a joint exhibition under the auspices of the Boston Architectural Club, Society of Arts and Crafts, Boston Society of Architects and the Society of Landscape Architects will be held by the courtesy of the Massachusetts Institute of Technology on the main floor of the Rogers Building, in Boston, during November.

Information as to rules governing exhibits, prizes, etc., may be obtained by addressing the secretary of any of the co-operating societies. Charles Collens is chairman of the joint committee.

BUILDERS' GUIDE

FORMERLY

The Philadelphia Real Estate Record
and Builders' Guide

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Irving Dillon.....Editor

The 25th Annual Edition of Hendrick's Commercial Register of the United States for Buyers and Sellers, which has just been issued, rounds out a quarter of a century of usefulness by this standard publication. The work is especially devoted to the interests of the Architectural, Contracting, Electrical, Engineering, Hardware, Iron, Mechanical, Mill, Mining, Quarrying, Railroad, Steel and Kindred Industries, containing about 350,000 names and addresses, with upward of 45,000 business classifications. Full lists are included of producers, manufacturers, dealers and con-

sumers, listing all products, from the new material to the finished article, together with the concerns handling these products, from the producer to the consumer.

There are 1,512 pages of text matter and the Index of Contents numbers 149 pages covering over 50,000 trade references. The list of trade names, brands, titles of identifications, etc., is published for the first time and numbers 202 pages. This list furnishes ready reference for purchasing agents and prospective buyers to distinctive products manufactured by firms listed in the work.

various departments of trade and industry are almost uniformly favorable, and indications point to continued active conditions.

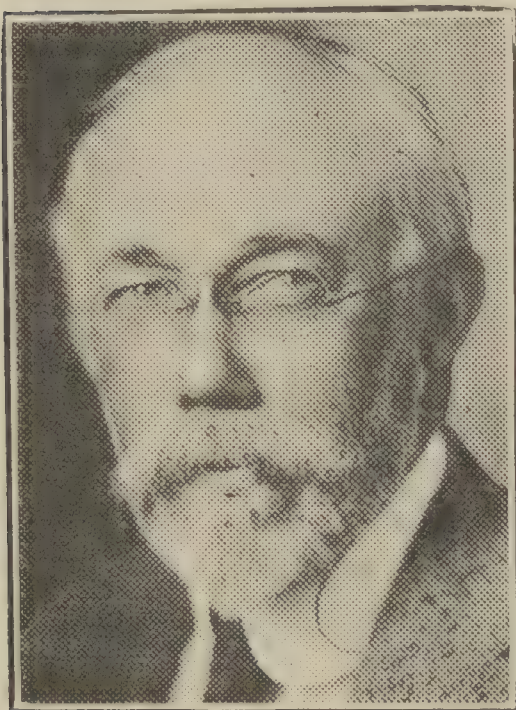
"The labor situation, as referred to by us last month, still appears to be unchanged and is serious. Labor is restless and its continued shifting is lowering the efficiency of many plants, thus entailing loss to manufacturers. There is a noticeable scarcity of female help available for mill work.

"Higher prices and marked scarcity of desirable merchandise to meet the unprecedented retail demand, continue to be the outstanding phases of the hosiery and underwear industries. Production is being seriously hampered by inability of many mills to get adequate help.

"From special reports received from a number of concerns regarding business conditions in Central and South American countries, and the possibilities of extending our export trade there, we are informed that at present market conditions are very favorable for the United States, and if expansion of our trade is pushed in logical and practical ways, it is likely that our merchandise can be exported in larger amounts than ever before to those countries, and permanent customers made of the buyers."

WILLIAM L. PRICE, ARCHITECT, DEAD

Picturesque Figure in Art Life and Designer of Wide Reputation



William L. Price, one of the most picturesque figures in the art life of this city and a member of the firm of Price & McLanahan, architects, designers of some of America's palace hotels, died at 4 o'clock Saturday morning at his home in Rose Valley, near Moylan.

Mr. Price was born in Philadelphia in 1861 and received his early education at Friends' School, Westtown, and later went to Swarthmore College. He entered the architectural field with the firm of Addison Hutton, and was later identified with Furness & Evans. Leaving their employ, he commenced to practice alone, and confined his talents to the designing of some of the finest suburban residences in this vicinity.

After meeting with marked success in his career he looked for a wider development of his artistic aspirations, and in 1900 established, with his future partner, M. H. McLanahan, the colony at Rose Valley, which soon became a center for artists, writers and craftsmen. Several of the old Colonial houses were restored and the community has now become

a favorite residential section. Mr. Price always made it his home and regarded it as one of his best achievements.

In 1902 Mr. Price became associated with Mr. McLanahan, and more ambitious work followed the partnership. Together they designed the Marlborough-Blenheim and the Traymore Hotels, at Atlantic City, and the Hotel Clarendon, in Florida; the Pennsylvania Railroad stations at Allegheny City, Washington, Pa.; Fort Wayne, Ind., and numerous other stations on the Pennsylvania lines west of Pittsburgh. Some of the residences designed jointly are those of William C. Scott, of Merion, and Frank H. Wheeler and Frank H. Van Camp, of Indianapolis.

Among the residences which Mr. Price designed is the Alan Wood mansion at Conshohocken and the homes of John O. Gilmore, John P. Gest, Samuel Croft and Edward W. Bok, and many others in the suburban districts of Philadelphia.

TRADE CHANGES AFTER WAR.

Federal Reserve Bank Holds End of Conflict Will Not Have Disastrous Effect.

In an interesting summary of business conditions in this section, the Federal Reserve Bank of Philadelphia brought out two important points touching trade prospects after the war and this country's chances for permanent business in South America. It was asserted that munition manufacturing concerns are anticipating the end of the European conflict and arranging to manufacture commodities in time of peace. This fact, the report said, is adding to the feeling that the end of the war will not have the disastrous effect on industries which some have feared. The report added:

"The buying power which has developed throughout the country tends to keep general business on a strong basis; reports from the

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

Proposals

Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 14, 1916.—Sealed proposals will be opened in this office at 3 P. M. November 27, 1916, for the construction of the United States post office at East Orange, N. J. Drawings and specifications may be obtained from the custodian of the site at East Orange, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store and Office Building (alt. and add.), southeast corner of Sixteenth and Walnut streets. Architects, Watson & Huekle, 1211 Walnut street, Philadelphia. Owners, Maxwell & Berlet, southeast corner Sixteenth and Walnut streets. Brick, 4 stories. Consists of extensive alterations and additions, exterior and interior. Plans in progress.

Armor Plant (add.), Nicetown, Philadelphia. Architect, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Brick and concrete, 1 story, 48x12 feet, slag roof, ventilators. Owners taking bids, due October 10th. Barclay White & Co., Perry Building, Philadelphia, are figuring.

Bakery, Forty-first and Wallace streets, Philadelphia. Architect, Charles Balderston, 411 Walnut street, Philadelphia. Owner, John L. Heermann, Forty-first and Wallace streets, Philadelphia. Brick, steel and reinforced concrete, 2 stories, 84x100 feet, slag roof, fire doors, maple floors, elevators. Owner will be ready for bids in about ten days.

Store (add.), Cheltenham avenue and Old York road, Oak Lane, \$2,000. Architect, private plans. Owner, M. A. Roeder, Ridge avenue and Queen lane, Philadelphia. Brick, 1 story, 50x30 feet, slag roof, hot water heating, electric lighting, magnetite composition floors. Wm. J. Benham, 5146 Market street, is taking sub-bids on all lines.

Residence, 1325 Pine street, Philadelphia. Architects, Hoffman Co., Finance Building, Philadelphia. Owner, J. A. McCarthy, Real Estate Trust Co., Philadelphia. Brick, marble trimmings, 3 stories, 16x60 feet, slag roof, steam heating, hardwood floors, electric lighting, waterproofing, dumb waiters. Architects have received bids.

Sewers, various streets, Philadelphia. Architect, private plans. Owner, City of Philadelphia, Bureau of Surveys, City Hall. Vitrified shale brick, various sizes. Owners taking bids, due October 17th and October 19th.

Paving, Federal and Reed streets freight yards, Philadelphia, \$15,000. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Engineer, A. T. Shand, Broad Street Station, Philadelphia. Consists of granite blocks, granite curbing and cement work. Owners have received bids.

Auto Show Room, Broad and Wallace sts., Philadelphia. Architect, Charles E. Oelschlager, Harrison Building. Owners, Roy A. Heymann & Bro., Widener Building, Philadelphia. Brick, steel and reinforced concrete, 3 stories, 38x100 feet, slag roof, steam heating, electric lighting, cement, tile and maple floors, metal lath and sash, fire doors, 1 elevator and 1 dumb waiter, rolling steel shutters, gasoline storage system. Architect has received bids.

Residences (31), Windrim avenue, east of Twelfth street, \$124,000. Architect, private plans. Owner, John M. B. Morrow, 1733 North Nineteenth street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hot water heating, electric lighting, parquet floors. Owner is taking sub-bids on all lines at 1087 Drexel Building.

Fan House (add.), Seventh and Lehigh avenue, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Hardwick & Magee Co., Seventh and Lehigh avenue, Philadelphia. Brick, 1 story, 22x14 feet, slag roof, cement floors, fire doors. Architects have received bids.

Service Building, Broad and Wood streets, Philadelphia. Architects, Kahn & Wiley, 58 Lafayette Boulevard, Detroit, Mich. Owners, Packard Motor Car Co., L. J. Eastman, manager, 216 North Broad street, Philadelphia. Brick, concrete, steel and terra cotta, 8 stories, 187x70 feet, slag roof, electric lighting, metal sash. Architects taking bids, due October 23rd. The following are figuring: Freund Const. Co., Bulletin Building; F. W. Mark Const. Co., Finance Building; Warren-Moore Co., Commercial Trust Building; Barclay White & Co., Perry Building; Cramp & Co., Denekla Building; H. C. Rea Co., 1027 Wood street; George F. Pawling & Co., 1432 South Penn Square; John N. Gill & Co., Heed Building; F. G. Stewart, 1619 Sansom street; R. H. Howes Const. Co., Witherspoon Building; Turner Concrete Steel Co., 1713 Sansom street; Nickson-Duggan Const. Corp., 1218 Chestnut street; George A. Fuller Co., Widener Building; Pomeroy Const. Co., 1609 Ransstead street; Roydhouse-Arey Co., Fidelity Building; Peoples Bros., Inc., Commercial Trust Building; Bailey Lush Co., 201 North Broad street; McCloskey & Bahls, 1620 Thompson street; John R. Wiggins Co., Heed Building; E. L. Scheidenhelm, New York City; George W. Stiles, Detroit, Mich.; Stone, Webster Co., Boston, Mass., and Fred T. Leay, Springfield, Mass.

Residence, City Line and Hortter streets, Germantown. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Joseph H. Bromley, Jr., 6820 Mower street, Germantown. Stone, 2½ stories, 50x36 feet; wing, 22x29 feet; slate roof, hot water heating, hardwood floors, electric lighting. Plans in progress. Architect will take bids in about ten days.

Residence, Stenton avenue and Graver's lane, Chestnut Hill. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Percival Drayton, 34 West Graver's lane, Chestnut Hill. Hollow tile and plaster, 2½ stories, 28x38 feet, 10-foot wing, slate roof, hot air heating, hardwood floors. Architect taking bids. The following are figuring: Wm. J. Gruhler, Co., 219 East High street; Pringle Borthwick, 8018 Germantown avenue; George S. Roth & Sons, 230 East Graver's lane; George A. Boyd, 5812 Schuyler street, Wills-Ludwick Co., 34 South Seventeenth street, Philadelphia.

Lead Shop (add.), Frankford Arsenal, Philadelphia. Owners, U. S. Government, care of Col. Geo. Montgomery, Frankford Arsenal. Architect, private plans. Brick, steel and concrete, 2 stories, 38x43 feet, slate roof, metal sash, waterproofing, cement floors, wire work. Owners taking bids, due October 23rd at 2 P. M. The following are figuring: Thomas Reilly, 1616 Thompson street; H. H. Wehmeyer, 1004 Lehigh avenue; W. W. Anstine & Co., 1215 Filbert street; Wm. R. Dougherty, 1610 Sansom street; E. F. Fonder, Land Title Building; Peoples Bros., Co., Commercial Trust Building; Austin & Co., Transportation Building; Ketcham & McQuade, 1029 Brown street; Warren-Moore & Co., Commercial Trust Building; Wm. Steele & Sons Co., 1600 Arch street; F. W. Van Loon, Denekla Building; Mitchell Bros., 2125 Race street; Monaghan & Losse, 3016 Walnut street, Philadelphia, and Connors Bros. Co., 64 West Eighty-eighth street, New York City; Wills-Ludwick Co., 34 South Seventeenth street, Philadelphia.

Subway Station, Broad and Market streets,

\$1,000,000. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, care of William S. Twining, Director, Bourse Building, Philadelphia. Concrete, steel and brick, 300x106 feet, 50 feet deep, waterproofing, dampproofing, skylights, safety treads, iron stairs. Owners taking bids, due December 7th at noon. Keystone State Const. Co., Pennsylvania Building, Philadelphia, is figuring.

Garage (add.), 219 West Rittenhouse street, Philadelphia. Architect, private plans. Owners, Goldberg Bros., 219 West Rittenhouse street, Philadelphia. Brick, 1 story, 60x73 feet, slag roof, cement floors. Owners taking bids. Henry P. Schneider, 3717 Old York road, and Harry Gill, Jr., 2515 Germantown avenue, are figuring. (Plumbing, steam heating, electric lighting and gasoline storage system reserved.)

Sales Building, 664 North Broad street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Fisk Tire Co., 258 North Broad street, Philadelphia. Reinforced concrete, brick and terra cotta, 3 stories; wings, 80x82 feet and 180x40 feet, slag and reinforced concrete roof, steam heating, electric lighting. Plans in progress.

Work Shop, City Line and Hortter street, Germantown. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Joseph H. Bromley, Jr., 6820 Mower street, Germantown. Stone, 1½ stories, 23x43 feet, slate roof. Architects taking bids. Seeds & Durham, 6314 Wissahickon avenue, are figuring (only bidders).

Store (alt.), 41-43 South Fifty-second street, Philadelphia. Architect, C. E. Rahn, 410 Walnut street, Philadelphia. Owner, C. Howard Schermerhorn, Kings Court Apartments, Philadelphia. Brick, consists of new store fronts and interior alterations. Architect taking bids. J. P. Fallon, 449 South Sixtieth street, and James Holm, Fifty-sixth and Arch sts., Philadelphia, are figuring.

Office Building, Nicetown, Philadelphia, \$60,000. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owners, Midvale Steel Co., Widener Building, Philadelphia. Brick, reinforced concrete and terra cotta, 6 stories, 170x50 feet, slag roof, steam heating, electric lighting, composition concrete and mastic floors, metal lath, steel sash, fire doors, vacuum cleaners, elevator, waterproofing, marble and terrazzo work. Owners have received bids.

School, Eleventh and Morris streets, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut street. Reinforced concrete, brick, limestone, granite base, glazed tile work, reinforced concrete and slag roof, steam heating, reinforced concrete floors, electric lighting, hollow tile, metal lath and sash, dampproofing and waterproofing, fire doors, ventilators. Plans in progress.

Residences (2), 1217-19 Wakeling street, Philadelphia. Architect, private plans. Owners, C. West & Co., Oxford and Wakeling sts. Brick, 2½ stories, 16x56 feet, slate and tin roof, hot air heating, combination lighting, hardwood floors, tile work. Owners taking sub-bids on all lines.

Residences (10), Highland avenue and Anderson street. Architect, private plans. Owner, John Craig, 8521 Germantown avenue,

Brick, 2 and 3 stories, 16x41 feet, slate and slag roofs, hot water heating, parquet floors, combination lighting, tile work. Work about to be started.

Garage, Church lane and Main street, Germantown. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Church Lane Garage Co., on premises. Brick and reinforced concrete, 1 and 2 stories, 72x111 feet, slag roof, steam heating, electric lighting, cement floors, waterproofing. Architects taking bids, due October 20th. E. R. Hall & Bro., 34 South Seventeenth street; Wills-Ludwick Co., 34 South Seventeenth street; H. E. Baton, Twelfth and Sansom streets; McCloskey & Bahls, 1620 Thompson street, and Manwaring & Cummings, 5622 German-town avenue, are figuring.

Shop Building, 600-612 North American street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Pottash Bros., 504 North American street, Philadelphia. Stone, steel and brick, 2 stories, 47x97 feet, slag roof, steam heating, electric lighting, cement and yellow pine floors, skylights. Owners taking bids. Graham-Campion Co., Heed Building, Philadelphia, are figuring.

Stores (alt.), 900 Chestnut street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Lea Estate, 700 Sansom street, Philadelphia. Interior alterations, marble, brick and reinforced concrete, metal sash and lath, maple and cement floors, hollow tile work, tile work, terrazzo work (heating and lighting reserved). Architects taking bids, due October 19th. The following are figuring: H. M. Kister, 621 Sansom street; Pomeroy Const. Co., 1609 Ransstead street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; H. E. Baton, Twelfth and Sansom streets; F. L. Hoover & Sons, 1023 Cherry street, and Ketcham & McQuade, 1029 Brown street; Charles McCaul Co., 1713 Sansom street; Geo. L. Sipps, 912 Locust street, Philadelphia.

Residences (19), Eighth and Hunting Park avenue. Architect, E. Allen Wilson, 1203 Chestnut street, Philadelphia. Owner, Norman P. Sinclair, Haverford, Pa. Brick, 2 stories, 15x44 feet, slag roof, hot water heating, electric lighting, parquet floors. Owner taking sub-bids at 1324 Walnut street, Philadelphia.

Residences (70), Malcolm street, Fifty-fifth to Fifty-sixth street, Philadelphia. Architect, private plans. Owner, Edw. J. Rusk, 5216 Spruce street, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, hardwood floors, combination lighting. Owner taking sub-bids.

Hotel, southwest corner of Darien and Catherine streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Frank Palumbo, 824 Catherine street. Brick and terra cotta, 4 stories, 63x84 feet, slag roof, hot water heating, electric lighting, marble and tile work, metal lath, fire doors, kalamein doors, vacuum cleaner system. Will take bids on revised plans in a few days.

Store (add.), 1230 Market street. Lessees, A. H. Geuting Co., 1230 Market street, Philadelphia. Brick, 4 stories. Work contemplated.

Factory, 813-831 North Ninth street. Owners, Powers, Weightman & Rosengarten, Ninth and Parrish streets. Details not decided. Work contemplated.

Loft Building, central section of Philadelphia. Architect, private plans. Owner's name withheld. Brick and concrete, 8 stories, 81x100 feet, slag roof, steam heating, electric lighting, metal sash, fire doors, sprinklers, elevators. Nickson-Duggan Const. Corp., 1218 Chestnut street, are taking sub-bids, due October 18th.

Substructure for 100-foot Turntable, Tulip street engine yard, Philadelphia. Architect,

S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Reinforced concrete. Owners have received bids.

Residences (23), Sixth and Wingohocking streets, \$46,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Daniel Peters, 2832 North Watts street, Philadelphia. Brick and stone, 2 stories, 15x34 feet, slag roof, steam heating, electric lighting, tile work. Owners taking sub-bids.

Garage, 3417 Longshore street, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owner, Dr. J. Albert Bolin, on premises. Brick, 1 story, 30x150 feet, slag roof, steam heating, electric lighting, cement floors. Architects taking revised bid from Wilson Milner, 4634 Penn street.

Garage, Malta and Tioga streets, Philadelphia. Architects, Neubauer & Boyd, 1113 Chestnut street, Philadelphia. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick and steel, 1 story, 60x102 feet, slag roof, cement floors. Owner is taking sub-bids.

Residences (32), Smedley and Pike streets, Philadelphia. Architect, private plans. Owner, Frank D. Williams, 3817 North Bouvier street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hot water heating, combination lighting, hardwood floors, tile work. Owner ready for sub-bids.

Crushing Plant, Bridesburg, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Abrasive Co., James and Fraley streets, Philadelphia. Brick, steel and reinforced concrete, 2 and 3 stories, 46x85 feet, slag roof, cement and maple or gum wood floors, metal sash, waterproofing, fire doors. Architects taking bids, due October 23rd. The following are figuring: James H. Wells, Heed Building; John N. Gill & Co., Heed Building; H. E. Baton, Twelfth and Sansom streets; F. E. Wallace, 1220 Chancellor street; John R. Wiggins, Heed Building; Turner Concrete Steel Co., 1713 Sansom street; F. W. Mark Cont. Co., Finance Building, Philadelphia. (Plumbing, heating, electric work, elevator, sprinklers and metal lockers reserved.)

Residence, Wynnefield avenue and Gorgas lane. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, William T. Bryan, 1322 Chestnut street, Philadelphia. Stone, 2½ stories. Plans in progress. Too early for details.

Factory (alt. and add.), southeast corner of Eleventh and Kimball streets. Architect, Frank B. Nickels, Real Estate Trust Building, Philadelphia. Owners, C. C. A. Baldi Bros. & Co., 928 South Eighth street, Philadelphia. Brick, 1 story, 40x78 feet, tin roof, steam heating, electric lighting. Owner is taking sub-bids.

Bridges (10), Philadelphia, \$750,000. Engineer, private plans. Owners, City of Philadelphia, Bureau of surveys, City Hall, Philadelphia. Steel and reinforced concrete, asphalt paving. Plans in progress. (1) Ashburner street over Philadelphia and Trenton Railroad; (1) Linden avenue over Philadelphia and Trenton Railroad; (1) Convent lane

over Philadelphia and Trenton Railroad; (1) Fifth street over Richmond Branch of P. & R.; (2) Cobb's Creek Parkway over Cobb's Creek. Ready for bids about December 1, 1916. (1) South street over Schuylkill River; (1) Forty-ninth street over P. B. & W. R. R.; (1) Harvey street under P. G. & N. Branch or P. & R.; (1) Thirty-fourth street south approach to Schuylkill River; (1) Mt. Airy avenue over C. H. Branch of P. & R. Ready for bids early in 1917.

Factory (add.), Frankford, Philadelphia. Architects, Sheen & Gill, 822 Heed Building, Philadelphia. Owner, James Gibbons, care of architects. Brick, 1 story, 75x48 feet, slag roof, electric lighting, wood floors. Architect ready for bids in a few days.

Garages (14), 5040 Brown street, Philadelphia. Architects, Sheen & Gill, 822 Heed Building, Philadelphia. Owner, James McMichael, care of architects. Brick, 1 story, 9x16 feet, slag roofs, cement floors (plumbing, heating and lighting reserved by owners). Architects taking sub-bids.

Forging Plant Building and Tunnell, Frankford Arsenal. Architect, private plans. Owners, U. S. Government, care of Col. George Montgomery, Frankford Arsenal. Brick and reinforced concrete, 1 story, 100x20 feet, felt or asbestos roof, cement and maple floors, metal lath and sash. Lowest bidders, Austin & Co., Transportation Building. No. 1, \$45,856; No. 2, \$3,035; No. 3, \$1,975. E. F. Fonder & Co., Land Title Building, Philadelphia. No. 1, \$46,100; No. 2, \$3,000; No. 3, \$2,240.

Riding Pavilion, Chestnut Hill, Philadelphia. Architect, Charles E. Oelschlager, Harrison Building, Philadelphia. Owner, Henry A. Laughlin, West Chestnut avenue, Chestnut Hill. Brick and frame, 1 story, 40x190 feet, slag roof. Revised plans about completed. Architect is ready for bids.

Sewer, Thompson street, from Seventh to Broad street, Philadelphia. Engineer, private plans. Owners, City of Philadelphia, Department of City Transit, Wm. S. Twining, Director, 754 Bourse Building, Philadelphia. Brick or concrete, 3,300 linear feet. Owners taking bids, due October 24th at noon.

Factory (alt. and add.), southeast corner of Eleventh and Kimball streets, \$1,500. Architect, Frank B. Nickels, Neal Estate Trust Building. Owners, C. C. A. Baldi Bros. & Co., 928 South Eighth street, Philadelphia. Brick, 1 story, 40x79 feet, tin roof, steam heating, electric lighting. Owners are taking sub-bids.

Playground (Shot Tower), Front and Carpenter streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, City Hall. Consists of brick piers, iron fence, concrete and granite coping and granolithic paving. Owners taking bids, due October 23. P. M. Sax, Heed Building, and Wm. E. Mundy, 228 Alder street, Philadelphia, are figuring.

Machine Shop, Clearfield, between Twenty-ninth and Thirtieth streets. Architect, H. H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Ridge Avenue Iron and Metal Co., 1016 East Susquehanna avenue. Brick, 1 story, 68x150 feet, slag roof, hot water heating, cement floors, metal sash. Owners taking bids.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alt.), 1511 Locust street, \$1,500. Architect, S. Arthur Love, Jr., 119 South Thirty-eighth street, Philadelphia. Owner, Mrs. Edward Roberts, 1511 Locust street, Philadelphia. Consists of interior alterations. Contract awarded to George & Borst, 277

South Eleventh street, Philadelphia.

Warehouse, Hancock above Laurel street, Philadelphia. Architect, private plans. Owners, Bell Co., 953 North Hancock street, Philadelphia. Brick, steel and concrete, 5 stories, 80x300 feet, slag roof (heating not decided),

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electric lighting, pine floors, metal lath and sash, waterproofing and dampproofing, fire doors, ventilators, elevators. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue.

Bottle Shop (add.), Thirtieth and Thompson streets, Philadelphia. Architects, Wm. F. Koelle & Co., Twenty-sixth and Oxford sts., Philadelphia. Owners, Arnolt & Schaefer Brewing Co., Thirty-first and Thompson sts., Philadelphia. Brick and reinforced concrete, 1 story, 64x102 feet, asphalt roof, asphalt floors (heating and electric work reserved by owners). Contract awarded to Wm. F. Koelle & Co., Thirty-first and Thompson streets.

Building (alt. and add.), Eighth and Bainbridge streets. Architects, Henon & Boyle, 10 South Thirteenth street, Philadelphia. Owner, Rocco Di Nubile, 715 Fitzwater street, Philadelphia. Brick and stone (plaster), 1 story addition, 20x19 feet, tin roof, steam heating, electric lighting, tile floors. Contract awarded to Anthony Bressi, Sixth and Bainbridge streets, Philadelphia.

Building (alt.), 724-26 Market street, Philadelphia, \$2,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Ernest Schwehm, care of architect. Consists of new store fronts and interior alterations. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Parochial School, Belgrade, Westmoreland and Madison avenue. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Church of the Nativity, Mgr. J. F. Turner, on premises. Brick, stone and steel, fireproof, 4 stories, 125x170 feet, slag roof, steam heating, electric lighting, tile work. Contract awarded to Melody & Keating, Bailey Building, Philadelphia.

Stable, Twenty-fifth and Spruce streets, Philadelphia. Architect, private plans. Owners, Charles E. Hires Co., on premises. Brick, 1 story, 100x52 feet, slag roof, concrete floors. Contract awarded to George K. Hechner, 1231 Vine street, Philadelphia.

School (wing), Twenty-seventh and Clearfield streets, \$37,000. Architect, Horace Cooke, Nineteenth above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut street. Completion of present contract. Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

Garage, Forty-third to Forty-fifth and Woodland avenue, \$40,000. Architect, private plans. Owner, W. S. P. Shields, Witherspoon Building, Philadelphia. Brick, 1 story, 237x192 feet, slag roof, steam heating, cement floors. Contract awarded to P. H. Kelly, Lippincott Building, Philadelphia.

Manufacturing Building (alt. and add.), 1235 Federal street, Philadelphia. Architect, A. H. Savery, Stephen Girard Building, Philadelphia. Owners, Blank Bros., on premises. Brick, 2 stories, 34x160 feet, slag roof, steam heating, electric lighting, dampproofing. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

Church (alt.), Sixty-first and Cedar avenue, \$2,000. Architect, George T. Pearson, 427 Walnut street, Philadelphia. Owners, St. George's Episcopal Church, care of Rev. G. La Pla Smith. Consists of new stone porch, 10x14 feet, slate roof, cement floor (electric work and leaded glass work reserved). Contract awarded to James C. Driscoll, 1524 Chestnut street.

Factory (add.), 1118 Washington avenue, \$3,700. Architect, Werner Trumbower, 1420 Chestnut street, Philadelphia. Owners, John Wyeth & Bro., Inc., on premises. Brick, steel, concrete, 1 story, 28x64 feet, slate roof, maple floor (heating, electric work and sprinkler system reserved). Contract awarded to Albert Zellfelder, northeast corner of Broad and Walnut streets, Philadelphia.

Warehouse, Stillman and Jefferson streets, Philadelphia, \$30,000. Architect, private plans. Owners, Wills-Jones Co., 1507 North Twenty-sixth street, Philadelphia. Brick, steel, reinforced concrete and terra cotta, 3 stories, 90x90 feet, slag roof, cement floors, metal sash, waterproofing (electric work, heating and plumbing reserved). Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

Garage, Lincoln Drive, near Carpenter st., Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick, 1 story, 18x20 feet, slate roof, hot water heating, electric lighting, cement floors. Contract awarded to Geo. Kessler Cont. Co., Drexel Building, Philadelphia.

Residence, Cressonville, Philadelphia, \$3,600. Architects, Sheen & Gill, Heed Building, Philadelphia. Owner, G. W. Risley, care of architects. Frame and shingle, 2½ stories, 22x28 feet, slate roof, hot water heating, electric lighting, pine floors. Contract awarded to Wm. C. Schmitt, 4936 North Fairhill street.

Store Building (alt. and add.), 4055-57 Lancaster avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, W. J. McCormack, on premises. Brick, 2 stories, addition, 20x72 feet, slag roof, electric lighting (heating reserved). Contract awarded to Vanderberry Bros., 5802 Pemberton street.

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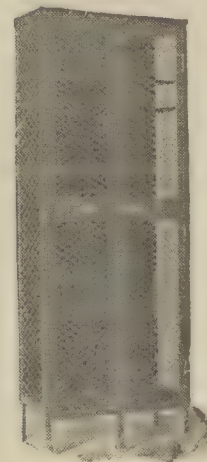
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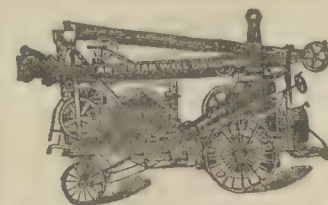
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T. Wagner, Reading Terminal, Philadelphia.
Owners, Philadelphia and Reading Railway
Co., Reading Terminal. Concrete and steel.
Contract awarded to James McGraw Co., Com-
mercial Trust Building.

Mill Building (add.), southeast corner Jan-
ney and Butler streets, \$8,000. Architect,

Carl P. Berger, South Penn Square Building,
Philadelphia. Owners, Belmont Packing and
Rubber Co., Butler and Speviva streets. Brick,
steel and stone, 1 story, 76x70 feet, slag roof,
maple floors, metal sash, fire doors. Contract
awarded to Henry P. Schneider, 3713 Old
York road.

PENNSYLVANIA Construction News

Residence, Villanova, Pa. Architect, Hor-
ace Trumbauer, Land Title Building, Phila-
delphia. Owner, Morris L. Clothier, Villa-
nova, Pa. Brick, stone, hollow tile and plas-
ter, 2½ stories, 157x58 feet, slag and copper
roof, steam heating, pine floors (lighting, cab-
inet work and finished floors reserved), metal
lath, waterproofing, weather strips. Archi-
tect taking bids, due October 18th. The fol-
lowing are figuring: George F. Payne Co.,
401 South Juniper street; Geo. A. Fuller Co.,
Widener Building; Stacy Reeves & Sons Co.,
2011 Market street, Philadelphia; M. W.
Young, Overbrook, Pa.; Willard R. Croll,
Radnor, Pa.

Bungalow, Glenside, Pa. Architect, R. H.
Pepper, 1308 North Seventh street, Philadel-
phia. Owner, Andrew J. Weakley, Glenside,
Pa. Frame, 1½ stories, 26x44 feet, asbestos
shingle roof, hot air heating, electric light-
ing, pine floors. Architect has received re-
vised bids.

Residence and Garage, Cynwyd, Pa. Archi-
tect, Frank Seeburger, Pennsylvania Building,
Philadelphia. Owner, John A. Lafore, Twen-
ty-fifth and Locust streets, Philadelphia.
Stone, 2½ stories, 102x26 feet, shingle roof,
hot water heating, electric lighting, tile work,
hardwood floors. Architect has received bids.

Residence and Garage, Merion, Pa., \$40,000.
Architects, Seeburger & Rabenold, Pennsyl-
vania Building, Philadelphia. Owner, R. J.
Hughes, 1509 North Sixteenth street, Phila-
delphia. Brick and plaster, 2½ stories, 35x
100 feet, slate roof, indirect steam heating,
electric lighting, tile work, hardwood floors.
Architects have received bids.

Residence and Garage, North Glenside, Pa.
Architect, private plans. Owner, P. Sheridan
Oore, 1730 North Broad street, Philadelphia.
Stone, hollow tile and plaster, 2½ stories,
28x36 feet, asbestos shingle roof, hot water

heating, electric lighting, parquet floors.
Owner has received bids.

School and Repairs to Old School, Newtown, Pa. Architect, Edwin F. Bertolett, 1614 Cher-
ry street, Philadelphia. Owners, School Board
of Newtown, Newtown, Pa. Brick or stone,
2 stories, 76x82 feet, slate roof (heating,
lighting reserved), pine and reinforced con-
crete floors, metal lath and sash, waterproof-
ing, fire doors, ventilators. Architect has re-
ceived bids.

Store Building, Chester, Pa. Owner, Kiwa
Schwartz, Chester, Pa. Six stories and base-
ment. No details. Work contemplated.

School (alt.), Gladwyne, Pa. Architect,
Ralph E. White, Pennsylvania Building, Phila-
delphia. Owners, Lower Merion Township,
School Officer, High School, Ardmore, Pa.
Consists of new plumbing, slate work. Own-
ers ready for bids, due October 23rd.

Stores and Offices, Abington, Pa. Archi-
tects, Heacock & Hokanson, Bailey Building,
Philadelphia. Owner, Dr. A. N. Baggs, Ab-
ington, Pa. Brick, 2 stories, 43x73 feet, slag
roof, electric lighting (heating reserved).
Plans completed. Ready for bids.

Residence, Springfield, Pa. Architects, See-
burger & Rabenold, Pennsylvania Building,
Philadelphia. Owner, A. Eugene Schmidt,
Springfield, Pa. Stone and plaster, 2½ stories,
45x25 feet, shingle roof, hot water heating,
electric lighting. Architects taking bids, due
October 18th. The following are figuring: J.
Howard Roberts, Lansdowne, Pa.; Albert Zell-
felder, northeast corner of Broad and Walnut
street, and Henry P. Schneider, 3713 Old
York road, Philadelphia.

Factory (alt. and add.), West Conshohocken, Pa. Architect, George S. Idell, 34 South Six-
teenth street, Philadelphia. Owners, Merion
Woolen Mills, West Conshohocken, Pa. Rein-
forced concrete and stone, 1 story, 32x150

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feet, reinforced concrete floors, steam heating, electric lighting. Architect taking bids, due October 18th at 9 A. M. The following are figuring: Thomas C. Trafford, 1613 Sansom street; Graham-Campion Co., Heed Building; F. E. Davis, 240 North Sixteenth street; A. Bottoms & Sons Co., 3611 Walnut street; Hogg Const. Co., 1634 Sansom street; Monaghan & Losse, 3016 Chestnut street; W. O. Springer, 1624 Latimer street, Philadelphia.

Stable, Storage Building and Wagon Shed, Cherry and Market streets, Shenandoah, Pa. Architects, Wm. F. Koelle & Co., Twenty-sixth and Thompson streets, Philadelphia. Owners, Columbia Brewing Co., Shenandoah, Pa. Brick, steel and concrete, 2 stories, 100x130 feet, slag roof, concrete floors (heating and lighting reserved by owners), metal sash, elevators. Plans completed. Owners ready for bids.

Factory, Garage and Ice Storage House, Kohn street, Norristown, Pa. Architects, Wm. F. Koelle & Co., Twenty-sixth and Thompson streets, Philadelphia. Owners, Hannaway-Gordon Ice Cream Co., 717 Kohn street, Norristown. Brick and steel, 2 stories, 42x40 feet and 37x57 feet; wing, 37x16 feet, slag roofs (heating and lighting reserved by owners), concrete floors, fire odors, ventilators, elevators. Plans in progress. Architects ready for bids in about two weeks.

Stores and Apartments (10), Chester Pike and Glenolden avenue, Glenolden, Delaware County, Pa., \$50,000. Architect, private plans. Owner's name withheld. Brick, 2 or 3 stories, 20x30 feet, slag roof, hot water heating, electric lighting, pine floors, tile work. Plans in progress. Owners will take sub-bids in about two weeks, care of Richard Purdy, 1 Chester Pike, Darby, Pa.

Residence and Garage, North Glenside, Pa. Architect, private plans. Owner, P. Sheridan Moore, 1730 North Broad street, Philadelphia. Stone, hollow tile and plaster, 2½ stories, 23x36 feet, asbestos shingle roof, hot water heating, electric lighting, parquet floors.

Residences (6), Bala, Pa. Architect, Wm. C. Prichett, 416 Walnut street, Philadelphia. Owner, Howard L. Neff, 115 Walnut street, Philadelphia. Work contemplated.

Bridge, No. 42, south of Modena, Chester County, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Steel, concrete and timber, 167 feet long, asphalt mastic paving. Owners taking bids, due October 20th. A. L. Carhart, Hale Building; Brann-Stuart, Commercial Trust Building; Brown-King Const. Co.,

Commercial Trust Building; Day & Zimmerman, 611 Chestnut street; Enos L. Seeds, 6314 Wissahickon avenue, Philadelphia, are figuring.

Residence and Garage, Merion, Pa., \$40,000. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, R. J. Hughes, 1509 North Sixteenth street, Philadelphia. Brick and plaster, 2½ stories, 35x100 feet, slate roof, indirect steam heating, electric lighting, tile work, hardwood floors, tile work, dampproofing (heating, plumbing, lighting fixtures, weather strips, floor finish reserved). Architects have received bids.

Residence, Wynnefield, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Wm. F. Hudson, care of architect. Stone, 3 stories, 70x32 feet, slate roof (heating not decided), electric lighting, tile work, hardwood floors. Architect taking bids. John V. Speth, 1714 Sansom street, Philadelphia, is figuring, in addition to those previously reported.

Garage, Elkins Park, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, Joseph B. Haber, Elkins Park, Pa. Hollow tile and plaster, 1½ stories, slate roof, electric lighting. Architect has received bids.

Garage and Chauffeur's Cottage, Wawa, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, George Wood, Wawa, Pa. Stone, 1½ stories, 37x100 feet, slate roof, electric lighting. Plans about completed. Architect will be ready for bids in a few days.

Store and Apartments (2), Edgemont avenue, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. C. Taylor, Cambridge Trust Building, Chester, Pa. Brick, 3 stories, 19x50 feet, slag roof, electric lighting, hardwood floors, tile work. Architect taking bids, due October 21st. The following are figuring: Smith-Hardican Co., 1606 Cherry street; James M. Tighe, 245 North Eleventh street; Hogg Construction Co., 1634 Sansom street, and Metzger & Fisher, Denckla Building, Philadelphia.

Parish House (alt. and add.), Ridley Park, Pa. Architect, private plans. Owners, Vestry of Christ Church, care of Rev. Francis B. Barnett, Ridley Park, Pa. Stone and plaster, 23x20 feet, slate roof, steam heating, electric lighting, pine floors. Owners taking bids, due October 25th. Wills-Ludwick Co., 34 South Seventeenth street, are figuring.

Borough Hall and Fire House, Ambler, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Wissahick-

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on Fire Co., Ambler, Pa. Reinforced concrete, brick, stone and terra cotta, 2½ stories, 32x95 feet, asbestos roof, steam heating, electric lighting, metal lath. Architects taking bids, due October 19th. The following are figuring: Howard S. Amey, George W. Frankenhof, James Bartelson and C. J. Kemmerer, all of Ambler, Pa.; Henry P. Schneider, 3717 Old York road, Philadelphia.

Sanitarium (adds.), Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanitarium for Tuberculosis, care of Dr. Samuel F. Dixon, 1900 Race street, Philadelphia. Consists of Medical Directors' residence, dining building. Stone, hollow tile and plaster, 2½ stories, 44x

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54 feet, 3 stories, 65x47 feet, shingle roofs, metal lath, iron stairs, kalamein doors, metal sash, yellow pine floors, fire escapes (heating, plumbing and electric work separate bids). U. S. Fidelity and Guaranty Co., Real Estate Trust Building, Philadelphia, taking bids on completion of contract. Frank G. Stewart, 1619 Sansom street, Philadelphia, is figuring.

Post Office, State and Jackson streets, Media, Pa. Architect, James A. Wetmore. Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, stone and hollow tile, 2 stories, 76x63, composition roof, pine and cement and marble floors (heating and lighting reserved), metal lath, waterproofing and dampproofing, ventilators, safety treads, tile and marble work, weather strips, cabinet work, terrazzo work (plumbing reserved). Owners taking bids, due November 14th. Charles McCaul Co., 1713 Sansom street; F. W. Van Loon, Denckla Building; E. F. Fonder, Land Title Building; Edw. Atkins, 249 South Twenty-fourth street, Philadelphia; Olin Gerlach, Forstburg, Md.; W. H. Fissell & Co., Marbridge Building, New York City; Frymier & Hanna Co., 25 West Forty-fifth street, New York City; E. T. Abbott Const. Co., St. James Building, New York City, and Westchester Eng. Co., White Plains, N. Y., and Wills-Ludwick Co., 34 South Seventeenth street; James B. Flounders, 1329 Arch street, and P. J. Hurley, 1233 Cherry street, Philadelphia, are figuring.

Bank and Office Building, Coatesville, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, National Bank of Chester Valley, Coatesville, Pa. Stone and brick, 1 story and 3 stories, composition roof, vapor heating, electric lighting, metal sash and lath, waterproofing and dampproofing, fire doors, ventilators, tile and marble work, metal window guards, hardwood and tile floors, metal lockers, weather strips, cabinet work, terrazzo work. Plans in progress.

Office Building, 850 Weiser street, Reading, Pa., \$5,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Harry W. Gramm, on premises. Brick and concrete, 2 stories and basement, 18x25 feet, slag roof, steam heating, electric lighting, wood (yellow pine) floors, metal sash, waterproofing and dampproofing, ventilator. Architect has received bids.

Parish House, Harrisburg, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Thirteenth Street M. E. Church, care of Albert K. Thomas, chairman, Harrisburg. Brick, 2½ stories, 32x53 feet, composition roof, steam heating, electric lighting, maple floors, waterproofing and dampproofing. Architect will be ready for bids in one week.

Brewery (add.), Reading, Pa. Architect, George L. Gerhard, 519 Penn street, Reading, Pa. Owners, Reading Brewing Co., Reading, Pa. Brick and steel, 2½ stories, 47x80 feet, composition roof, steam heating, electric light-

ing, reinforced concrete floors. Architect taking bids. L. H. Focht, Baer Building; W. A. Sharp, 20 North Fifth street; H. J. Randenbush and David H. Hunter, 809 North Eleventh street, all of Reading, are figuring.

Garage, South Bethlehem, Pa., \$12,000. Architect, J. R. Wilt, Bethlehem, Pa., 47 South Fourth street. Owner, H. A. Conahan, South Bethlehem, Pa. Concrete and brick, 2 stories, 60x116 feet, slate roof, steam heating, electric lighting, reinforced concrete floors, metal sash, ventilators. Owner is taking bids.

Residence (alts.), Hokendauqua, Pa., \$8,000. Architect, A. D. Chidney, Jr., Drake Building, Easton, Pa. Owners, Thomas Iron Co., Hokendauqua, Pa. Consists of general interior alterations, partitions, steam heating, electric lighting, hardwood floors. Plans in progress.

Residence, Easton, Pa., \$15,000. Architect, A. D. Chidney, Jr., Drake Building, Easton, Pa. Owner, Wm. R. Haycock, Easton, Pa. Stone, 2½ stories, 46x50 feet, slate roof, steam heating, electric lighting, tile and hardwood floors. Architect has received bids.

Garage, Pottstown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. C. Roth, Pottstown, Pa. Brick, 1 story, 20x22 feet, composition roof, electric lighting, cement floors. Owner will take sub-bids on all lines.

Club House, Lebanon, Pa., \$25,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, B. P. O. E., No. 631, H. G. Louser, chairman, Lebanon, Pa. Brick, stone and steel, 2½ stories, 50x125 feet, composition roof, steam heating, electric lighting, hardwood floors and tile work, waterproofing. Will sub-let all contracts.

Residence and Garage, Lansdowne, Pa. Architect, Francis C. Caldwell, 1004 Stephen Girard Building, Philadelphia. Owner, F. Rees Phillips, care of architect. Stone, hollow tile and plaster, 2½ stories, 39x29 feet, 1 story win, 16x21 feet, shingle roof, oak and pine floors, electric lighting, metal lath, tile work (cabinet work and heating reserved by architect). Architect taking bids, due October 23rd. The following are figuring: J. B. Flounders, 1329 Arch street; F. B. Davis, 240 North Sixteenth street; Charles T. Moore, Lansdowne, Pa.; J. Howard Roberts, Lansdowne, Pa.; Lansdowne Const. Co., Lansdowne, Pa.; W. Harry Roberts, Ardmore, Pa., and J. Heckert, Ridley Park, Pa.

Residences (8), Linfield, Pa. Architect, Vincent J. Poley, 162 Second street, Royersford, Pa. Owners, Montgomery Land Co., Victor Rhoades, Linfield, Pa. Frame and stucco, 2 stories, 14x36 feet, composition roof, electric lighting, metal lath. Owners taking sub-bids.

Rectory, Conshohocken, Pa. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Matthew's R. C. Church, care of Rev. James P. Parker, Conshohocken, Pa. Stone, 3 stories, 38x55 feet, slate roof.

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steam heating, electric lighting, tile work, hardwood floors. Plans in progress.

Residence, Conshohocken, Pa. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owner, Wm. Little, Conshohocken, Pa. Concrete block, 2½ stories, 25x36 feet, slate roof, hot water heating. Plans completed. Owner ready for bids.

Residence, Secane, Pa. Architects, Sheen & Gill, 822 Heed Building, Philadelphia. Owner, Mrs. George Carlisle, care of architects

Hollow tile and plaster, 2 stories, 22x34 feet, shingle roof, hot air heating, electric lighting, hardwood floors, tile work. Plans in progress.

Telephone Exchange, Squirrel Hill, Pa. Engineer, private plans. Owners, Bell Telephone Co. of Pennsylvania, 1230 Arch street, Philadelphia. Brick, 2 stories, 71x34 feet, slag roof, electric lighting. Plans about completed. Owners will take bids, due October 20th at 10 A. M.

PENNSYLVANIA

Contracts Awarded

Armory, West Chester, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, State Armory Board, care of Major Benj. Demming, Harrisburg. Completion of present contract. Contract awarded to Wm. B. Jones, West Chester, Pa.

Garage, Cynwyd, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, R. F. Tull, Cynwyd, Pa. Brick, 2 stories, slate roof, hot water heat, electric lighting. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

School, Whitpain Township, Pa., \$16,500. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, School Board of Whitpain Township. Stone, terra cotta, brick and hollow tile, 2 stories, concrete floors (plumbing, heat, electric work and water system separate bids). Contract awarded to Alex. Chambley, 243 South Tenth street, Philadelphia.

Residence (alt.) and Garage, Wayne, Pa., \$3,000. Architect, S. Arthur Love, Jr., 119 South Thirty-eighth street, Philadelphia. Owner, George H. Borst, Wayne, Pa. Consists of interior alterations, painting, new shingle roof to residence; garage, frame and shingle, 1 story, 21x24 feet, shingle roof, cement floors, electric lighting. Contract awarded to George & Borst, 277 South Eleventh street, Philadelphia.

College Buildings, near Chestnut Hill, Pa., \$500,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, Carson College for Orphan Girls, Witherspoon Building. Consists of 3 cottages, stone, 2 stories, 101x25 feet, 138x48 feet and 120x42 feet; two residences, 2½ stories, stone, 25x75 feet and 40x82 feet; store building, 1½ stories, 40x70 feet; garage, 2 stories, 35x175 feet, tile roofs, hot water heating, electric lighting. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

Theatre and Stores, Chester, Pa., \$150,000. Architects, Hoffman & Co., Finance Building, Philadelphia. Owner, J. F. Zimmerman, Hotel Bellevue-Stratford, Philadelphia. Contract awarded to Fleischman Const. Co., Real Estate Trust Building, Philadelphia. (Note change of builder.)

Residence, Easton, Pa., \$9,000. Architect, A. D. Chidsey, Jr., Drake Building, Easton, Pa. Owner, Charles Laubach, Easton, Pa. Brick, limestone trim, 2½ stories, 40x40 feet, tile roof, hot water heating, electric lighting, hardwood and tile work, water heating, electric lighting, hardwood and tile work. Contract awarded to Wm. Schneider, Lafayette street, Easton, Pa.

Residences, Easton, Pa., \$22,000. Architect, W. M. Michler, Easton, Pa. Owner, Raymond Wood, Easton, Pa. Stone, 2½ stories, 63x35 feet, tile and slate roof (heating reserved), electric and gas lighting, tile and hardwood

floors. Contract awarded to Wm. Schneider, Lafayette Building, Easton.

Factory, Tenth and Turner streets, Allentown, Pa., \$15,000. Architect, J. Weishample, Allentown, Pa. Owner, James K. Bowen, Allentown, Pa. Brick, 4 stories, 25x100 feet, slag roof, steam heating, electric lighting, steel sash, fire doors, fireproof stairs, ventilators. Contract awarded to Wm. H. Gangwere, Allentown Bank Building, Allentown, Pa.

Residence, Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Clarence L. Weimer, Lebanon, Pa. Brick or hollow tile, 2½ stories, 77x53 feet, asbestos roof, steam vapor heating, electric lighting, hardwood and tile floors. Contract awarded to J. H. Greiner, Lebanon, Pa.

Garages (8), Ritter and West Windsor sts., Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Kemmerer & Zehman, Reading, Pa., 20 North Sixth street. Brick and reinforced concrete, 1 story, 117x20 feet, composition roof, electric lighting, concrete floors, waterproofing. Contract awarded to Daniel H. Hunter, 809 North Eleventh street, Reading, Pa.

School, Birdsboro, Pa., \$18,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Board of Education, D. Hunter Watts, Secretary. Brick and hollow brick, 1½ stories, 91x60 feet, composition roof, hot air heating, maple floors, metal lath, fire doors, slate blackboards, dampproofing. Contract awarded to J. H. Slipp, Birdsboro, Pa.

Bridge, Nichols street bridge, Pottsville, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading Railroad Co., Reading Terminal, Philadelphia. Steel and concrete, 82 feet, to carry three water pipe lines. Contract awarded to Eastern Steel Co., Pennsylvania Building, Philadelphia.

New Jersey

Construction News

Garage and Electrical Bureau, West Hanover street, Trenton. Architect, W. P. Endebrock, American Mechanics' Building, Trenton. Owners, City of Trenton, City Hall, Trenton, N. J. Brick, concrete, hollow tile, stone and terra cotta, 2 stories each, 60x88 feet and 64x40 feet, slate roofs, metal lath, waterproofing and dampproofing, fire doors, ventilators, safety treads, dumb waiters, rolling steel doors, tile and marble work, metal window guards, gasoline storage system. Lowest bidders, S. W. Mather & Sons, Trenton, N. J.

Wall, Criminal Insane Building, Trenton, N. J., \$5,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, State of New Jersey, Trenton, N. J. Reinforced concrete, 126 feet long, 15 feet high. Architect taking bids. The following are figuring: S. W. Mather & Son and I. J. McGovern, both of Trenton, N. J.; Dekimpe Const. Co., Hoboken, N. J.; George B. Wills, 101 Park avenue, New York City; W. J. Coughlin, 665 Newark avenue, Jersey City, N. J.; Payne & Scammell, Land Title Building; Brown & Mackenthum, 346 Garfield avenue, Trenton, N. J.

Residence (3), Buffalo and Ventnor avenue, Ventnor, N. J., \$12,000. Architect, S. G. Dobbins, 10 South Pennsylvania avenue, Atlantic City, N. J. Owner, W. I. Hart, Risley's Hotel, Atlantic City, N. J. Frame, 2 stories, 24x36 feet, slate roof, hot water heating, combination lighting, tile floors. Owner taking bids. A. B. Bowen, 211 North Montpelier avenue, and J. V. Mathis & Sons Co., Guarantee Trust Building, Atlantic City, are figuring.

Store and Apartments, Atlantic near Virginia avenue, Atlantic City, \$7,000. Architect, S. G. Dobbins, 10 South Tennessee avenue, Atlantic City, N. J. Owner, D. Graham, 1316 Atlantic avenue, Atlantic City, N. J. Brick and steel, 2 stories, 20x110 feet, slag roof, hot water heating, hardwood and tile floors, electric lighting, store fixtures. Plans in progress.

Hotel, Arkansas and Atlantic avenues, Atlantic City, \$10,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Frank Reffu, on premises. Brick and stucco, 3 stories, 40x30 feet, slag roof, hot water heating, electric lighting, tile floors, metal lath, dampproofing, tile and marble work, terrazzo work. Plans in progress.

Apartments (2), Atlantic City, N. J., \$60,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick and steel, 3 stories, 45x100 feet, slag roof, hardwood and tile floors, hot water heating, electric lighting, metal lath, dampproofing, fire doors, ventilators. Plans in progress.

Hotel (alt. and add.), 158 South Tennessee avenue, Atlantic City, \$50,000. Architect, J. Hudson Caughn, Guarantee Trust Building, Atlantic City. Owners, Hotel Fredonia, Wm. Carmony, on premises. Reinforced concrete, brick and steel, 6 stories, slag roof, steam heating, hardwood and tile floors, metal lath, dampproofing, fire doors, elevators, cabinet work. Plans about completed. Architect will take bids in a few days.

Hotel, Albany avenue and Beach, Atlantic City, N. J., \$1,500,000. Architect, A. F. Gilbert, 80 Maiden lane, New York City. Owner's name withheld. Reinforced concrete, brick, terra cotta, steel and hollow tile, 18 stories. Too early for details. Plans in progress.

Residence, Phillipsburg, N. J. Architect, Wm. M. Nickles, Drake Building, Easton, Pa. Owner, James S. Somerson, Phillipsburg, N. J. Plaster, stone and stucco, 2½ stories, 37x30 feet, shingle roof, steam heating, hardwood floors, electric lighting, weather strips, cabinet work, tile and marble work. Plans about completed. Will take bids in about one week.

Post Office, Woodbury, N. J. Architect, J. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, stone and terra cotta, 2 stories, 75x55 feet, composition roof, steam heating, metal lath, water and dampproofing, ventilators, safety treads, tile and marble work, weather strips, terrazzo work (plumbing, steam heat and elec-

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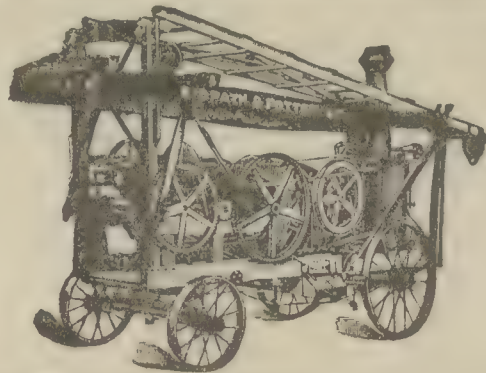
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tric light reserved). Owners taking bids, due October 31st. In addition to those reported, F. B. Davis, 240 North Sixteenth street; Edward Atkins, 249 South Twenty-fourth street, Philadelphia; Joseph Di Benedette, 423 East 115th street; E. T. Abbott Const. Co., St. James Building; Frymier & Hanna Co., 25 West Forty-fifth street; Wm. H. Bran, 147 East 125th street; The Connors Bros. Co., 64 West 88th street; W. H. Fissell & Co., Marbridge Building, all of New York City; Newport Cont. and Eng. Co., Newport News, Va.; R. S. Moore, Lafayette, Ind.; Westchester Eng. Co., White Plains, N. Y.; Thomas W. Cissel, Wooster, Ohio; Wills-Ludwick Co., 34 South Seventeenth street, and F. W. Van Loon, Denckla Building, Philadelphia, are figuring.

Residence, Cadwalder Heights, Trenton, N. J. Architect, Walter Thomas Mayo, 1703 Chestnut street, Philadelphia. Owner, Paul G. Duryea, 709 Monmouth avenue, Trenton, N. J. Stone, 3 stories, 28x42 feet, slate roof, hot water or hot air heating, hardwood and tile floors, electric lighting. Architect taking bids, due October 18th. The following are figuring: Wm. Mussen, 1102 Hamilton avenue; Ed. D. La Rue, 53 South Hermitage street; Charles Randell, 43 North Hermitage avenue; Wm. Ivins, American Mechanics' Building; J. George Hoffman & Co., 609 Williams street; James H. Morris, Broad Street Bank Building; Burton & Burton, American Mechanics' Building; Wm. Hicks, State street; S. W. Mather & Son, Greenwood avenue and Coral street; D. A. Dugan, 104 Green-



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wood avenue and Coral street; D. A. Dugan, 104 Greenwood avenue, all of Trenton, N. J. **Residence**, Vineland, N. J., \$20,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Evan E. Kimble, Vineland,

N. J. Brick and hollow tile, 2½ stories, 30x54 feet, tile roof, hot water heating, electric lighting, oak floors, tile work. Architect has received bids.

NEW JERSEY

Contracts Awarded

Sunday School, Moorestown, N. J. Architect, J. Fletcher Street, Drexel Building, Philadelphia. Owners, Moorestown Presbyterian Church, Moorestown, N. J. Stone, 1 story, slate roof, vapor heating, electric lighting. Contract awarded to Stewart L. Maines, Moorestown, N. J.

Warehouse, Third and Everett streets, Camden, N. J., \$12,000. Architects, private plans. Owners, Eavenson & Levering Co., 217 Atlantic avenue, Camden, N. J. Brick and concrete, 1 story, 160x160 feet, slag roof, cement floors, steel doors. Contract awarded to George Kessler Cont. Co., Drexel Building.

Storm Sewer, Plainfield, N. J., \$50,000. Engineer, private plans. Owners, City of Plainfield, Plainfield, N. J. Reinforced concrete. Contract awarded to John M. Kelley, 432 Market street, Camden, N. J.

Residences (30), Atlantic City, N. J., \$45,000. Architect, private plans. Owners, Bacharach Realty Co., 1510 Atlantic avenue, Atlantic City. Brick, 2 stories, 14x35 feet, slag roof, gas lighting. Contract awarded to W. B. Poreh, Sheen Building, Atlantic City.

Residence, Beale and Sylvester streets, Trenton, N. J., \$5,000. Architect, W. P. Endebrock, American Mechanics' Building, Trenton. Owner, Alex. Reodinski, Beatty

street, Trenton, N. J. Brick, 2½ stories, 18x6 feet, slate and tin roof, hot water heating, electric lighting. Contract awarded to Alex. Reodinski, 125 Jersey street, Trenton.

Store Building, Broad and Perry streets, Trenton, N. J. Architect, W. A. Poland, Trenton, N. J. Owner, Mrs. C. J. Wilson, Broad and Perry streets, Trenton, N. J. Brick, terra cotta trim, 2 stories, 52x65 feet, slag roof, steam heating, electric lighting, hollow tile, metal lath, metal sash. Contract awarded to Scott & Day, Montgomery street, Trenton, N. J.

Church (alt. and add.), Atlantic City, N. J., \$25,000. Architects, Smith & Henderer, Sheen Building, Atlantic City. Owners, Chelsea Baptist Church, Rev. T. J. Cross, 2908 Atlantic avenue. Stone and brick, 1½ stories, 65x75 feet, slate roof, steam heat, electric lighting, oak and cork tile floors, metal lath. Contract awarded to F. J. Pederick, 3509 Sunset avenue, Atlantic City, N. J.

Residence, Vineland, N. J., \$20,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Evan E. Kimble, Vineland, N. J. Brick and hollow tile, 2½ stories, 36x54 feet, tile roof, hot water heating, electric lighting, hardwood floors, tile work. Architect taking additional bid from Monaghan & Losse, 3016 Chestnut street, Philadelphia.

MARYLAND

Construction News

Show Room (alt. and add.), southeast corner, Edmondson avenue and Gilmore street, Baltimore. Architects, Haskell & Barnes, 301 North Charles street, Baltimore, Md. Owners, Wm. J. Tieckner & Sons, North and Pennsylvania avenues, Baltimore. Brick, concrete floors, electric lighting. Plans in progress.

Residence, Ten Hills, Md. Architect, Herbert G. Jory, Munsey Building, Baltimore. Owner, Nicholas Gardner, 2632 Maryland avenue, Baltimore. Frame, 2½ stories, 30x50 feet, shingle roof, hot water or steam heating, electric lighting. Architect taking bids, due October 16th.

Factory, Highlandtown, Md. Architect, Thomas B. Owings, 347 North Charles street, Baltimore, Md. Owners, Continental Can

Co., J. C. Taliaferro, Keyser Building, Baltimore.

Brick, fireproof, 3 stories and mezzanine, 100x350 feet, slag roof, steam heating, electric lighting, concrete floors, iron and steel work. Plans completed. Cowan Building Co., 106 West Madison street, Baltimore, will take sub-bids.

Residence, near Lutherville, Md. Architects, Emory & Nussear, 330 North Charles street, Baltimore. Owner, W. Gill Smith, Second National Bank Building, Towson, Md. Frame, 2½ stories, slate roof, steam heating, electric lighting, plumbing. Owner is taking sub-bids on all lines.

Residence Guilford, Md. Architect, Laurence H. Fowler, 347 North Charles street, Bal-

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timore. Owner, J. Walter Lord, 900 Maryland Trust Building, Baltimore. Hollow tile and stucco, 2½ stories, 29x49 feet, slate roof, electric wiring, plumbing, tile floors (heating reserved). Architect has received bids.

Packing Plant, Union Stock Yards, Baltimore, Md. Architect, C. H. A. Wannenwetsch, 563 William street, Buffalo, N. Y. Owners, Kaufman Beef Co., Baltimore, Md. Brick and concrete, 1 and 3 stories, 50x50 feet and 30x120 feet, slag roof, electric lighting, iron work. Plans in progress.

Packing Plant, rear 212 South Eutaw street, Baltimore, Md., \$50,000. Architect, C. T. Bennett, care of owners. Owners, Wilson & Co., Chicago, Ill. Brick. Plans in progress. Too early for details.

Passenger Station, Gay street and B. & O. R. R., Baltimore, Md. Architect, M. A. Long, Charles and Baltimore streets, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company, Baltimore, Md. Brick and concrete, 1 story, 25x40 feet, tile roof, steam heating, tile floors, plumbing (electric wiring reserved). Owners taking bids, due October 25th. The following are figuring: W. E. Harn Co., 213 North Calvert street; C. E. Stubbs, Equitable Building; Singer-Pentz Co., Equitable Building; B. F. Bennett Building Co., 123 South Howard street; Consolidated Eng. Co., Calvert Building; E. C. Turner, 15 East Fayette street; Edw. Brady & Son, 1109 Cathedral street; J. J. Walsh & Son, 1533 Maryland avenue; Milton C. Davis, 623 North Calvert street; West Const. Co., American Building, all of Baltimore.

Parish House, High, Trinity and Albemarle streets, Baltimore, Md. Architects, Haskell & Barnes, 301 North Charles street, Baltimore, Md. Owners, City Mission and Church Extension Society of M. E. Church, Baltimore. Brick and concrete, 3 stories, 18x100 feet, tile roof, steam heating, electric lighting, plumbing. Architect taking revised bids, due October 19th. The following are figuring: B. F. Bennett Building Co., 123 South Howard street; Thomas L. Jones & Son, 410 West Saratoga street; Cowan Building Co., 106 West Madison street; P. J. Cushen, 217 St. Paul street; John Waters Building Co., 23 East Center street, Baltimore.

Theatre, Light and Poultney streets, Baltimore. Architect, O. B. Wight, Munsey Building, Baltimore, Md. Owners, McHenry Amusement Co., care of Henry W. Webb, Fidelity Building, Baltimore. Brick and concrete, slag roof, metal lath, reinforced concrete and fireproofing, dampproofing, metal doors, marble, slate and mosaic work, terracotta, fire escapes, ventilators, marquise (heating, plumbing and electric work reserved). Architect taking bids, due October 24th. The following are figuring: Morrow Bros., Fidelity Building; John Hiltz & Son, 3 Clay street; J. H. Miller, Inc., Eutaw and Franklin streets; Thomas B. Stanfield & Co., 212 Clay street; Charles L. Stockhausen & Co., Gay and Water streets; H. Pierson & Son, 1000 Olive street; C. E. Stubbs, Equitable Building; B.

F. Bennett Building Co., 123 South Howard street; Cogswell-Koether Co., 406 Park avenue; John Waters Building Co., 23 East Center street; Consolidated Eng. Co., Calvert Building; H. D. Watts Co., Garrett Building, Baltimore, Md.

Maryland

Contracts Awarded

Residence, Guilford, Md. Architect, Edw. L. Palmer, Munsey Building, Baltimore. Owner, Samuel T. Edel, 1217 Harford avenue, Baltimore. Brick, 2½ stories, slate roof, hot water heating, electric lighting, plumbing, tile work, hardwood floors. Contract awarded to Ignatius Smith, 2207 Roslyn avenue, Baltimore.

Factory Buildings, Fifteenth, Sixteenth, Sixth and Eighth avenues, Canton, Md. Architect, private plans. Owners, Coconut Products Corp., Canton, Md. Lessees, Canton Co., Commerce and Water streets, Baltimore. Brick, steel and concrete, 5 stories, 117x317 feet, slag roof, fire doors, metal windows and sash, iron work (heating, plumbing and electric wiring reserved). Contract awarded to West Const. Co., American Building, Baltimore, Md.

Office Building, Port Covington, Md. Architect, private plans. Owners, Western Maryland Railway Co., Continental Building, Baltimore. Brick and concrete, 2 stories, 40x76 feet, tin, slag and composition roof, skylight, plumbing. Contract awarded to Price Concrete Const. Co., Maryland Trust Building, Baltimore, Md.

Dwelling and Garage, Whitfield road, Guilford, Md. Architect, L. H. Fowler, 347 North Charles street, Baltimore, Md. Owner, Dr. Thomas R. Brown, 19 West Biddle street, Baltimore.

timore, Md. Hollow tile and stucco, 2 stories, 32x85 feet, slate and slag roof, waterproofing, iron and steel work, wire lath, tile work (plumbing, electric wiring and heating reserved). Contract awarded to W. E. Harn Co., 213 North Calvert street, Baltimore.

Garage, Edmondson avenue, near Eleventh street, Baltimore, Md. Architect, Stanislaus Russell, 2900 Clifton avenue, Philadelphia. Owner, Wilson H. Carter, Jr., 3320 Edmondson avenue, Baltimore. Brick, 1 story, 30x50 feet, tin roof, electric lighting, cement floors. Owner will take sub-bids.

Residence (alt.) and Garage, 200 Goodwood Gardens, Baltimore. Architects, Ellicott & Emmart, Union Trust Building, Baltimore. Owner, B. W. Corkran, Jr., care of Corkran-Hill Co., Union Abattoir, Baltimore. Stone, 2 stories, 26x42 feet, steam heating, electric lighting, concrete floors, plastering, plumbing. Contract awarded to Cowan Building Co., 106 West Madison street, Baltimore.

Mill and Elevator, Ellicott City, Md. Architects, Nordyke & Morman, 1290 Kentucky avenue, Indianapolis, Ind. Reinforced concrete, steel and brick, 8 stories, 45x160 feet, slag roof, electric lighting. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

School and Convent Building, northeast corner Maryland avenue and Twenty-seventh street, Baltimore. Architect, Hugh I. Kavanagh, 226 East Eager street, Baltimore. Owners, SS. Philip and James R. C. Church, care of Rev. John E. Wade, North Charles street, near Twenty-seventh street, Baltimore, Md. Brick, steel and concrete, 3 stories, 87x150 feet, slag roof, cement and concrete floors, dampproofing, fire doors, slate blackboards, tile and marble, plastering, refrigeration (heating, plumbing, electric wiring and vacuum cleaner reserved). Contract awarded to John J. Moylan, 117 East Center street, Baltimore.

Miscellaneous Construction News

Residence and Garage, Wilmington, Del., \$40,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, H. F. Brown, 800 Franklin street, Wilmington, Del. Hollow tile and stucco, fireproof, 2½ stories, 75x65 feet; garage, 1½ stories, 39x25 feet, tile roof (vapor heating, plumbing and electric work reserved), hardwood and tile floors. Architect taking bids, due October 23rd. The following are figuring: John N. Gill & Co., Heed Building; M. W. Young, Overbrook, Pa.; Thomas M. Seeds, Jr., Co., 1207 Race street, Philadelphia; W. D. Haddock & Co., 804 Orange street; W. Howard May, 1014 Rodney street, and E. L. Johnson & Son, all of Wilmington, Del.

Post Office and Court House, Birmingham, Ala. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U.

S. Government, Treasury Department, Washington, D. C. Marble, brick, stone and hollow tile, 1 and 3 stories, 359x165 feet, composition roof, cement, composition, marble and cork tile floors, metal lath, waterproofing and dampproofing, ventilators, tile and marble work, safety treads, cabinet work terrazzo work (elevators reserved). Owners taking bids, due November 13th. Charles McCaul Co., 1713 Sansom street, Philadelphia, are figuring. (Plumbing, heating and electric work reserved.)

Store (alt. and add.), Ninth and King sts., Wilmington, Del. Architect, Edw. C. May, Dupont Building, Wilmington, Del. Owners, Wilmington Furniture Co., Wilmington, Del. Consists of general interior and exterior alterations. Plans in progress.

Residence, Wilmington, Del. Architects,

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Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, G. Badehoff, Wilmington, Del. Hollow tile and stucco, 2½ stories, 40x40 feet, shingle roof, steam heating, hardwood floors, electric lighting. Plans in progress.

Residence, Seventeenth and Woodland avenue, Wilmington, Del. Architect, Edw. C. May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick and stucco, 2½ stories, 23x45 feet, slate roof, metal lath, hardwood floors (heating and lighting reserved). Plans in progress. Will be ready for bids in one week.

Garage, Wilmington, Del. Architects, Edw. C. May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick, 2 stories, 22x24 feet, slate roof, heating extension, concrete floors, electric lighting. Architect taking bids. W. Howard May, 1014 Rodney street, Wilmington, Del., is figuring.

Church, Pennsylvania avenue and Rodney street, Wilmington, Del., \$30,000. Architect, Edw. Canby May, Dupont Building, Wilmington, Del. Owners, Westminster Presbyterian Church, on premises. Stone, 2 stories, slate roof. Plans in progress.

Equipment Shop, Fifth and W streets, Washington, D. C. Architect, Merrill Vaughn, Washington, D. C. Owners, U. S. Government, Post Office Department, J. C. Koons, Post-

master General, Washington, D. C. Brick, hollow tile and reinforced concrete, 2 stories, 54x63 feet, composition roof, concrete floors, metal sash, dampproofing, rolling steel doors (mechanical equipment separate bids). Owners taking bids, due October 25th. Warren-Moore Co., Commercial Trust Building, Philadelphia, are figuring.

Hotel and Office Building, Vermont avenue and H street, Washington, D. C. Engineer, Herman F. Doelman, American Building, Baltimore. Architects, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owners, Arlington Corporation, care of Oliver J. Sands, American National Bank Building, Richmond, Va. Brick, steel, concrete, stone and terra cotta trim, 10 stories, slag roof, electric lighting, interior marble work, tile work, terrazzo, hardwood and composition floors. Architects taking bids, due November 1st, on superstructure. The following are figuring: F. L. Wagner, 1413 H street; Boyle-Robertson Co., 1516 H street; Wells Bros. Co., New York City; George A. Fuller Co., Munsey Building, Baltimore; Morrow Bros., Fidelity Building, Baltimore; J. Thatcher & Son, 60 Park avenue, Brooklyn, N. Y.; J. H. Parker Co., 315 Fourth avenue, New York City; A. B. Stannard, 1 East Thirty-ninth street, New York City; J. I. Wilson Co., Richmond, Va.

2 stories, 18x65 feet, slag roof, hot water heat.

Garage (2), 302-6 Springer street, \$1,200. James N. Mitchell (O), Forty-sixth and Market streets. S. Stonebach (C), 2301 North College avenue. Brick, 1 story, 14x20 feet, slate roof.

Kitchen, Broad and Mifflin streets, \$910. Sisters of St. Francis (O), Glen Riddle, Pa. James J. Murphy (C), 4034 Powelton avenue. Brick, 1 story, 39x40 feet, steel and glass roof.

Garage, 3829 Manayunk avenue, \$1,800. Joseph Davenport (O), Herman lane, east of Ridge avenue. E. Clifford Durell (C), 1713 North Twenty-fourth street. Brick and stone, 1 story, 16x107 feet, slag roof.

Dwelling, 309 South Fifth street, \$5,000. Bueng & Woldaw (O and C), 718 Snyder avenue. Brick, 3 stories, 18x27 feet, slag roof, hot water heat.

Recreation Building, Chester avenue, between Fifty-third and Fifty-fourth streets, \$2,700. Wm. J. McShane (O and C), 417 South Thirteenth street. Brick, 2 stories, 26x26 feet, slag roof.

Dwelling, Morris below Abbotsford avenue, \$3,700. John H. McClatchey (O and C), Land Title Building. Brick, 2 stories, 16x45 feet, slag roof, hot water heat.

Garage, north side of Chancellor street, west from Fifty-first street, \$3,055. Thomas Reams (O), 5118 Walnut street. J. P. Collins (C), 5135 Market street. Brick, 1 story, 57x70 feet, slag roof.

Dwelling, Wissahickon avenue, west of Germantown avenue. C. A. Zeigler (O), 740 Lincoln Building. Harry Murphy (C), Willow Grove. Stone, 3 stories, 50x31 feet, shingle roof, hot water heat.

Dwelling, west side of Wissahickon avenue, 200 feet south of Upsal street, \$13,000. J. M. Lister (O), Fifty-seventh and Germantown avenue. Charles Johnson (C), 5701 Boyer street. Brick, 3 stories, 48x22 feet, shingle roof, hot water heating.

Garage, Stenton avenue, north of Chew street, \$400. G. Nehbutt (O), 5739 Stenton avenue. Charles Johnson (C), 5701 Boyer street. Brick, 1 story, 14x18 feet, slag roof.

Dwellings (22), north side of Olney avenue, between Broad and Fifteenth streets, \$53,200. John H. McClatchey (O and C), Land Title Building. Brick, 2 stories, 16x40 feet, slag roof, hot water heat.

Dwelling, southwest corner of Ninth and Watkins streets, \$355,000. Augustinian Fathers (O), 1718 South Nineteenth street. Owner (C), by sub-contracts. Brick, 2 stories, 49x53 feet, slate roof, steam heating.

Garage, Thirty-third and Moreland streets, \$800. T. Charlton Henry (O), on premises. Samuel Harting (C), 20 East Johnson street. Shingle roof, interior alterations.

Garage, 1140 West Ontario street, \$2,500. James Reichenbach (O), York avenue and Ontario street. Henry Hobert (C), 2620 East Cumberland street. Brick, 1 story, 45x70 feet, slag roof.

Store, 3031 North Twenty-second street, \$900. Joseph Englehardt (O), 3149 North Twenty-second street. Frank Pisacano (C), 2023 Toronto street. Brick, 1 story, 16x27 feet.

Factory, 2220 Market street, \$10,500. Edw. M. Harris (O and C), 2214 Chestnut street. Brick, 2 stories, 28x28 feet, felt roof, steam heat.

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Miscellaneous Contracts Awarded

Round House, Alexandria, Va. Architect, private plans. Owners, Southern Railway Co., Washington, N. C. Reinforced concrete, 20 stalls, slag roof, steel sash. Contract awarded to L. W. Hancock Co., Louisville, Ky.

Store (alts. and add.), Ninth and King streets, Wilmington, Del. Architect, Edw. C. May, Dupont Building, Wilmington, Del. Owners, Mueller Bros., Ninth and King sts., Wilmington, Del. Brick, 4 stories, 105x67 feet, slag roof, steam heating, yellow pine floors, electric lighting, metal lath. Contract awarded to F. F. Vansant, 2 Fifth avenue, Wilmington, Del.

Department Store, Wilmington, Del. Architect, Edw. C. May, Dupont Building, Wilmington, Del. Owners, Miller Bros., Wil-

ilmington, Del. Brick, 4 stories, 65x140 feet, slag roof, steam heating, electric lighting, hardwood, concrete and tile floors, metal lath. Contract awarded to Vansant & Son, 2 Fifth avenue, Wilmington, Del.

Storage Warehouse, Sixteenth and King streets, Wilmington, Del. Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owner, Wm. B. Austin, Pennsylvania avenue and Clayton street, Wilmington. Concrete, brick and stone, 5 stories, 45x130 feet, concrete roof, steam heating, concrete and tile floors, electric lighting, metal lath, waterproofing and dampproofing, fire doors, sprinkler, tile work, 1 freight elevator. Contract for concrete work awarded to Bader & Syfrit, Tenth and Market streets, Wilmington, Del.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Shop, Hunting Park avenue, east of King street, \$15,000. Edw. G. Budd (O), Philadelphia. F. N. Mark Const. Co. (C), Philadelphia. Brick, 1 story, 68x127 feet.

Dwellings (38), south side of Hadfield, 97 feet west of Thirty-fifth street, \$95,000. Ferguson & Collins (O and C), 5649 Montrose street. Brick, 2 stories, 15x39 feet, slag roof, hot water heat.

Dwelling, west side of Broad street, north of Fracken street. Harry Peterson (O), York avenue and Fracken. John Dagney (C), 6812 York road. Hollow tile, 2 stories, 26x31 feet, slate roof, hot water heat.

Garage, 507 South Broad street, \$1,200. T. M. Daly (O), on premises. R. H. DeLancey (C), 5655 Boyer street. Brick and stone, 1 story, slag roof, 15x30 feet.

Garage, Wood and New Market streets, \$380. Mrs. P. McGarhay (O and C), on premises. Stone, 1 story, 15x16 feet, cement floor.

Garage, 2227 North Thirty-fourth street, \$1,375. James P. Delaherty (O), on premises. E. R. Clark (C), 536 East Walnut lane. Stone, 1 story, 20x22 feet, tile roof.

Dwelling, east of Byberry road, north of Reading Railroad, \$3,300. Forest Hill Cemetery (O), 32 South Broad street. S. P. Prane (C), Bethayres, Pa. Stone, 2 stories, 30x20 feet, slate roof, hot water heat.

Garage, Fifty-eighth and Springfield avenue, \$300. J. C. Magill (O and C), 5710 Chester avenue. Stone, 1 story, 13x16 feet, slag roof.

Garage, 746 East Venango avenue, \$500. Michael Hanlon (O and C), 746 Kingston street. Brick, 1 story, 15x66 feet, cement floor.

Dwellings (7), west side of Broad street, north of Lauden street, \$48,500. Isadore Nutting (O), 624 South Broad street. Louis Dennis (C), Broad and Loudon streets. Brick,

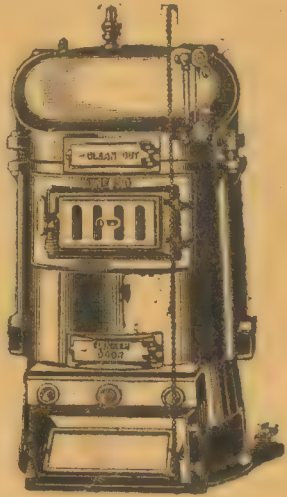
Portland Cement, Sand or Gravel by the carload. Consult DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

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Artesian Well Drilling Co.,
Real Estate Trust Bldg., Phila.
Ridpath & Potter Co.....Bourse Bldg., Phila.
John B. Rulon.....1355 Colwyn st., Phila.
- Artists' and Architects' Supplies.**
Chas. H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.
- Automobiles.**
Eastern Motors Corporation,
1634 Chestnut st., Phila.
- Blue Prints.**
Chas. H. Robbins.....125 S. 11th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.
- Blue Print Paper.**
Chas. H. Robbins.....125 S. 11th st., Phila.
- Brick (Face, Etc.).**
O. W. Ketcham.....Builders' Exchange, Phila.
- Brick Renovating.**
Adolph Christensen.....1433 Brown st., Phila.
John Gallatig.....447 W. Dauphin st., Phila.
- Builders.**
Graham-Campion Co.....Heed Bldg., Phila.
Hogg Construction Co., Inc.,
1634 Sansom st., Phila.
Mitchell Bros.....2125 Race st., Phila.
Pomeroy Const. Co.....1609 Ranstead st., Phila.
- Builders' Iron Work.**
James G. Madden...Franklin Bank Bldg., Phila.
- Builders' Supplies.**
P. H. Fairlamb Co.....115 S. 30th st., Phila.
David France Co.,
Tasker st. wharf, Delaware River, Phila.
- Cement.**
P. H. Fairlamb Co.....115 S. 30th st., Phila.
David France Co.,
Tasker st. wharf, Delaware River, Phila.
Samuel H. French & Co.,
4th and Callowhill sts., Phila.
Lehigh Portland Cement Co..Penna. Bldg., Phila.
- Cement Colors.**
Samuel H. French & Co..4th and Callowhill sts.
- Columns (Metal).**
Pearce Fireproof Co.....1345 Arch st., Phila.
- Composition Flooring.**
Philadelphia Mineral Flooring Co.,
5632 Sumner st., Phila.
The Marbleoid Co.....Land Title Bldg., Phila.
- Dampproofing.**
The Barrett Co.....New York City and Phila.
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Grant Pulley and Hardware Co.,
3 W. 29th st., N. Y., & Land Title Bldg., Phila.
- Drawing Materials.**
Charles H. Robbins.....125 S. 11th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.
- Electrical Specialties.**
Large-Dail Mfg. Co.....114 N. 13th st., Phila.
- Electrical Construction.**
Baird-Osterhout Construction Co.,
1112 Chestnut st., Phila.
- Electric Lighting, Power and Appliances.**
Philadelphia Electric Co.,
10th and Chestnut sts., Phila.
- Engineers' Supplies.**
Charles H. Robbins.....125 S. 11th st., Phila.
Warren-Knight Co.....136 N. 12th st., Phila.
F. Weber & Co.....1125 Chestnut st., Phila.
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Aichor Post Iron Works,
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Rope Fire Escape Co.....1602 Market st., Phila.
- Fire Doors.**
Merchant & Evans Co.,
2035 Washington ave., Phila.
- Fire Escapes.**
Rope Fire Escape Co.....1602 Market st., Phila.
- Fire Gongs.**
Rope Fire Escape Co.....1602 Market st., Phila.
- Fireproofing.**
Consolidated Expanded Metal Co.,
2200 Arch st., Phila.
Pearce Fireproof Co.....1345 Arch st., Phila.
- Furnaces.**
Abram Cox Stove Co.,
American and Dauphin sts., Phila.
- Furnaces and Ranges.**
Borden Stove Co.....118 N. 2d st., Phila.
Abram Cox Stove Co.,
American and Dauphin sts., Phila.
Henry M. Miller.....46-48-50 N. 2d st., Phila.
Richardson and Boynton Co..1342 Arch st., Phila.
- Gas and Gas Appliances.**
United Gas Improvement Co.,
Broad and Arch sts., Phila.
- Granite.**
Holmesburg Granite Co.,
Commercial Trust Bldg., Phila.
- Heating Contractors.**
Bowers Bros. & Co.,
Real Estate Trust Bldg., Phila.
- Heating Boilers.**
Richardson and Boynton Co..1342 Arch st., Phila.
H. B. Smith.....1225 Arch st., Phila.
- Insurance.**
Harris J. Latta.....Penna. Bldg., Phila.
- Iron Work (Structural and Ornamental).**
James G. Madden...Franklin Bank Bldg., Phila.
- Lockers.**
Edward Darby & Sons Co., Inc.,
233 Arch st., Phila.
- Lumber.**
Howard Ketcham.....3d and Girard ave., Phila.
James E. Tague & Co.,
10th and Columbia ave., Phila.
- Marble Mosaic.**
Belfi Bros. & Co.....20-22 S. 19th st., Phila.
- Metal Lath.**
Consolidated Expanded Metal Co.,
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- N. J. Wire Cloth Co.,**
Trenton, N. J., and 627 Market st., Phila.
- Pearce Fireproof Co.....1345 Arch st., Phila.**
- Mill Supplies.**
The Fairbanks Co.....7th and Arch sts., Phila.
- Mill Work.**
Penn Planing Mill Co.....Reading, Pa.
O. M. Weber Co.....North Wales, Pa.
- Mortar Colors.**
Samuel H. French & Co.,
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Wm. H. Hoskins Co.....904 Chestnut st., Phila.
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C. Albert Kuchle.....28 S. 16th st., Phila.
- Paints and Varnishes.**
Felton, Sibley & Co.....136 N. 4th st., Phila.
Samuel H. French & Co..4th and Callowhill sts.
Eugene E. Nice.....268 S. 2nd st., Phila.
- Pipe Fittings and Valves.**
The Fairbanks Co.....7th and Arch sts., Phila.
- Plaster.**
N. J. Pulp Plaster Co.....Trenton, N. J.
- Plumbing Fixtures.**
Fleck Bros. Co.....44 N. 5th st., Phila.
James A. Vogel Co.....Wilmington, Del.
- Preservatives (Wood and Concrete).**
The Barrett Co.....New York City and Phila.
F. E. Sagendorph...24th and Walnut sts., Phila.
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The Barrett Co.....New York City and Phila.
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C. F. Shellenberger...Builders' Exchange, Phila.
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- Surety Bonds.**
Harris J. Latta.....Penna. Bldg., Phila.
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Belfi Bros. & Co.....20-22 S. 19th st., Phila.
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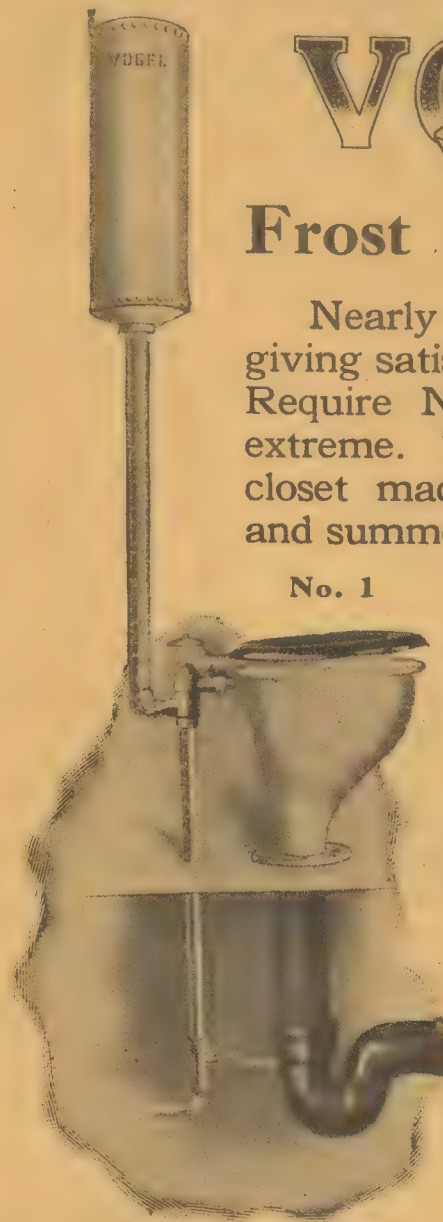
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Vol. XXXI., No. 43.

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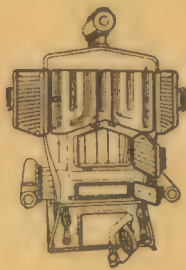
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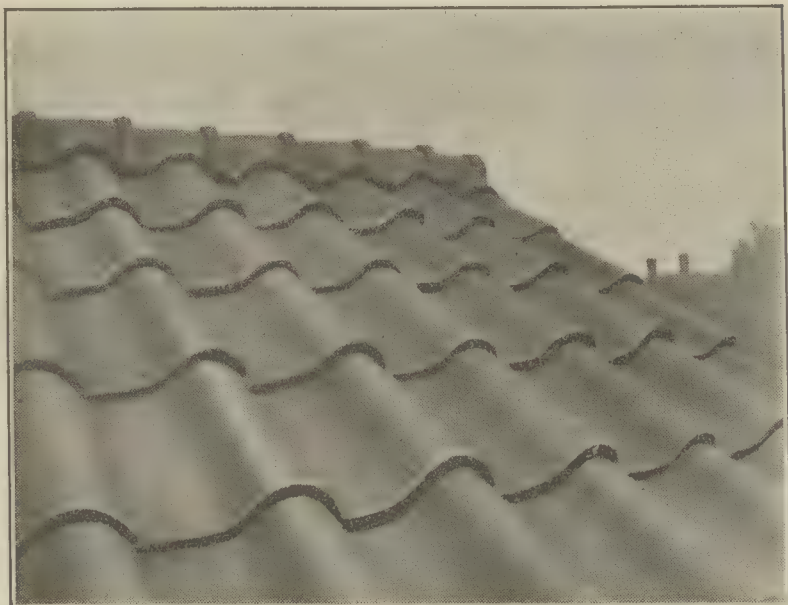
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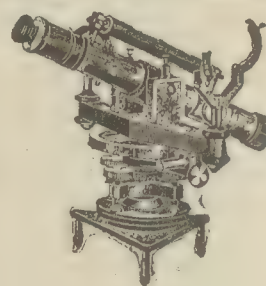
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BUILDERS' GUIDE

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Engineering and the Building Trades

VOLUME XXXI
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PHILADELPHIA
October 25, 1916



As The Editor Sees It



A GAIN—the tax question. Whether 'tis nobler far to suffer the slings and arrows of an electorate that wants the best of everything in its municipal housekeeping but limps painfully when it comes to paying the freight or to make such a sensible equalization of taxable values as will net the city a fixed and ample revenue and end for some years to come, at least, a recourse to loans that serve simply to delay the inevitable.

The preternaturally owlsh persons who compose the Board of Revision of Taxes are in some haste to point out that the plan of equalization, advocated by Mayor Smith, far from increasing perceptibly the present taxable values, would actually result in materially reducing these, thus defeating its own object.

But, on the other hand, we have the word of Mr. Frederick A. Somers, for the statement that this hasty affirmation of the gentlemen of the Board of Revision is little short of preposterous; that a change from the present antiquated and unscientific system could hardly fail to be an improvement and that a system based on a carefully reckoned unit of values would undoubtedly increase measurably the city's revenue from the source without imposing individual hardships at any point.

This view coincides with those expressed on a number of occasions in these columns by the editor of THE GUIDE, who has been, for many years past, a close and studious observer of the general tendency of municipal taxation. There can be no refuting the fact that under the present system of assessment the small dwelling has been carrying more than its share of taxation as compared with the larger and more centrally located structure.

Unimproved ground, too, in the opinion of men who have followed the sub-

ject, intelligently, has been assessed, under the existing system, with a surprising measure of leniency.

President Caldwell, of the Corn Exchange National Bank, cites a number of altogether typical cases of tax inequalities in the current number of *The Advance*. Most anybody at all familiar with the subject is able to cite cases as convincing. The Operative Builders, at a meeting held at the Bingham recently, came out strongly for a change in the system of rating unimproved ground.

Builders, architects, building material men generally, have a legitimate interest in this subject, for the reason that under a too-lenient system of assessing idle ground speculators have been enabled to hold large plots, strategically situated, to the disadvantage of the growth of certain sections of the city and to the serious embarrassment of normal operative activity.

Mayor Smith is undoubtedly in the right in his views as to the necessity for a change from the present system and will be backed by public sentiment in his demand for an investigation looking to an exhaustive inquiry into every phase of the questions at issue.

One of the most serious of the many objections to the present system has been that under it assessments are arrived at by men whose training has not been of a sort to familiarize them with values. With a few exceptions,—notably, Mr. Gratz, of the Board of Revision, who is admittedly an authority,—the assessors are men who have gained such slender knowledge as they have of property values from the realty transfers—a hopelessly misleading source of information as real estate men know.

Here's hoping that the Mayor will go through with his plans for an inquiry into tax methods and that out of its findings may issue a scheme of com-

puting values equitable to all concerned—the city included.

* * *

W HILE we are on the subject of municipal management we want to take occasion to remark an altogether sensible, practical and timely suggestion advanced by *The Evening Bulletin* with reference to the city's district offices. As most citizens are probably aware, the city maintains at various locations throughout its 48 wards branch tax offices, supply stations, district offices for the highway engineers, branch water offices, quarters for the surveyors, etc. It is now proposed to establish a series of district offices for the probation officers of the Municipal Court. Hence *The Bulletin* suggestion which is, that the city take steps to erect, at points suitably located, district buildings large enough to house every class of city offices necessary to a given stretch of territory including the magistrates, whose offices are, as a rule, disgracefully dingy, cramped and uninviting. At these "focal centres" *The Bulletin* very properly contends it would be possible to quarter decently and commodiously the various branch activities now scattered at a neat saving annually to the city.

The idea is an excellent one, and we hope will have the consideration it deserves.

* * *

W ILLIAM C. STANTON, of the Comprehensive Plans Committee, who, with Mrs. Stanton, left early in June for a tour to Japan, China and the Philippines, has returned to his desk in the Department of Public Works with a fund of architectural data and a message to American folk from Wu Ting Fang, former Chinese Ambassador to the United States.

Mr. Wu, who was a keen and most

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amiable critic of American manners, suggested we live too rapidly here and said mournfully he will be alive and happy long after all his good friends in this country are dead. He was found living placidly and in great simplicity as a private citizen in Canton, where he labors all day in his garden.

"I cultivate the philosophies and the intimacy of flowers," said Mr. Wu, "and eat only vegetables. Therefore I have a peaceful mind and shall live to be a hundred and fifty years old. Tell my friends in America they work too hard for things that do not matter. Tell them to cultivate gardens. To sit near a little bush in spring with a book by a wise author—such as our Chinese philosophers were—is the greatest happiness."

Mr. and Mrs. Stanton were cordially received by Mr. Wu. They went to China after a tour of Japan. Mr. Stanton won the John Stewardson Memorial Scholarship in Architecture at the University of Pennsylvania in 1914, but was unable to go to Europe for a year, under the provision of the award because of the war. He went to the Orient instead, with the approval of the scholarship committee.

* * *

FULLER details of building for September, 145 cities reporting to *Bradstreet's*, show a slight gain in value of building as compared with September a year ago, but a considerable decrease from the preceding month, and, indeed, from every month since February.

A feature of the current year's showing is that the gain for the half year, for the third quarter and for the entire nine months is in the neighborhood of 23 per cent. In other words, building expenditures so far this year are nearly one-fourth larger than a year ago, about equal to those of the entire year 1914 and larger than any preceding nine months in the country's history. The approximate nine months aggregates for a period of years as follows:

1916	\$761,611,297
1915	515,798,256
1914	644,687,371
1913	693,124,841
1912	714,476,512
1911	665,016,310
1910	654,069,417
1909	671,646,946

* * *

WE have heard much in the course of the past two years of European dissatisfaction with the "rush" workmanship of American goods shipped abroad under contract. It is refreshing to find the foreigner forced to concede, now and then,

the superiority of American methods.

In a remarkable article which appeared in a recent number of *The Ironmonger*, of London, on "The Manufacture of Water Pipes," the author, Percy G. Donald, makes some frank admissions regarding the superiority of American pipe over British, Canadian and German makes, the points including better packing methods, better threading, better manufacturing methods and greater economy in use.

The author refers especially to a project which he had in charge of laying pipe lines in Egypt. In unloading the pipe it was quickly seen that there was going to be a lot of trouble with damaged threads. The ends of the British pipes were protected only by a wrapping of canvas, while the strips of hoop iron screwed onto the ends of the Canadian pipe often left the thread ends exposed. The result was that a large percentage of the threads had to be run over. All of the American pipe was protected by a plate-iron stamping which absolutely protected the ends of the threads. The American pipe ends were also filled with a heavy fat mixed with black lead which prevented rusting, while the British pipes arrived dry and soon began to rust.

The author also calls attention to the greater length of American pipes and the fewer threads to the inch on the larger sizes, both points being commended as being more effective.

Praise is also given to the American practice of having one pipe for gas,

water and steam, while the British have three, all of different weights. The American manufacturer, also, has nothing to do with fittings, and this is presented as an advantage.

Finally, in the matter of costs it is shown that the American figures are lower, although the labor costs in America are nearly double those in England, while the distance from the American works to the shipping port is from three to five times that of the British works.

In concluding, the author asks:

"What better time than the present to create a proper standard, to scrap our absurd differentiations between gas, water and steam pipes, to scrap such unnecessary sizes as $\frac{7}{8}$ in., $1\frac{1}{4}$ in., $1\frac{3}{4}$ in., $2\frac{1}{4}$ in., to adjust our threads for the larger sizes, to leave to the fittings manufacturer the job of turning out fittings at comprehensive prices, and to make our profits on low costs?"

* * *

IN the haste of getting to press last week THE GUIDE failed to make mention of the fact that it was indebted to the courtesy of *The Evening Bulletin* for the very good portrait cut of the late William L. Price used in connection with a notice of the death of that gentleman in the issue in question. THE GUIDE begs to express its appreciation and sense of obligation to its much esteemed evening contemporary, by long odds the most readable and ably conducted of local evening newspapers.

EDITORIAL NOTES

It was an operative dwelling and the doors had shrunk painfully as is apt to happen with doors made of unseasoned wood. The builder would not send the joiner to repair them, so the householder tried the ironical method and wrote:

"Dear Sir—The mice can run under most of our doors, but our cat cannot follow them. Will you please send a man at once to make room under the doors for the cat, and much oblige?"

* * *

New York City's building zone plan is attracting the attention of cities all over the United States. Robert H. Whitten, secretary of the city plan committee, is receiving requests from citizens and officials from all over the country seeking information regarding the recently adopted zone plan. Philadelphia has just appointed a zoning commission. Chicago is considering a similar step. Many other cities are plan-

ning to follow New York's lead. The New York plan is considered one of the greatest advancements in scientific city building ever achieved by any American city.

* * *

Deposits in the four principal savings funds of Philadelphia have increased \$14,625,667 over a year ago and the number of depositors jumped 13,432, thus establishing high records in both cases. Aggregate deposits October 1 were \$196,894,643. The abnormal prosperity and widespread employment of labor in factories, mills and stores, due directly and indirectly to orders for war munitions and the widening circle of domestic demand it has created, accounts for the big expansion.

* * *

The annual convention of the Maintenance of Way Master Painters' Association of the United States and Canada, opened Tuesday morning in the

Hotel Walton with an address by Fred C. Rieboldt, of Milwaukee, president of the association, and closed with a banquet Thursday evening. Professor Henry A. Gardiner, chairman of the National Research Bureau, Washington, read a paper on paints, illustrated by stereopticon views. The fourteenth annual convention, next year, will be held in Cleveland. F. C. Rieboldt, of Milwaukee, was re-elected president.

* * *

"How's farming?"

"Fine. You know that abandoned farm I picked up?"

"That prompted my question."

"I sold quarry rights to one crowd and rented the surface as golf links. Now if I can lease the air to some wireless company I'll have about everything under cultivation. Who says intensive farming doesn't pay?"

* * *

In connection with the filing of plans in New York recently for new buildings of the skyscraper type, many of which were rushed through for filing before the new zoning and building heights act went into effect, the superintendent of the local building bureau has announced that while all such plans (covering a cost of \$40,000,000) were properly filed prior to the expiration date, July 25, it is necessary that such plans, to be effective, be approved with-

in three months. This is in accordance with a special resolution in the zoning act. Unless these plans are approved, therefore, and conform in all requirements to the former code, by October 25, they will virtually be outlawed.

* * *

Toledo, Ohio, reports an unusual business growth during the past year, no less than \$1,346,197 of building permits having been issued in August alone. Permits for the entire eight months of 1916 represents a total valuation of \$7,254,428, an increase of about 50% over the same period last year.

* * *

According to an opinion of the Corporation Counsel, roof signs are subject to the height and set-back restrictions of the building zone resolution in New York City. The provisions of Article XVI, of Chapter 23, of the Code or Ordinances, which relate to the height of roof signs, have been superseded by the provisions of the building zone resolution.

* * *

Following are some easily grasped fire figures:

Per Capita Fire Loss (1914).

United States	\$2.10
Austria	.42
England	.67
France	.63
Germany	.17

Italy	.37
Netherlands	.07

In forty-seven American cities, according to the American Year Book, the per capita loss during 1914 was over \$4, in thirty-four cities over \$5, in nineteen over \$7, in fifteen over \$10, and in ten between \$12 and \$33.

* * *

The Grand Central Station, in the opinion of the Tax Department, is the most valuable building in New York City. For taxation purposes building and site are estimated to be worth \$21,500,000. Next is the Equitable office building, assessed at \$20,500,000, and then the Pennsylvania Railroad Station, which is considered to be worth \$15,980,000. The most valuable dry goods store is Altman's, assessed at \$14,100,000; the second most valuable office building, the Metropolitan, \$12,500,000; the most valuable hotel building, the Waldorf-Astoria, \$11,650,000.

* * *

Walter F. Wyman, a foreign export manager, in an address before the Foreign Trade School of the Chamber of Commerce, said that if the war should end to-morrow, European manufacturing would be at least two decades behind that of the United States. American competition with Europe after the war, he said, must be based upon intense accuracy and honesty.

Do you get "The Guide" regularly? You should. Better subscribe now, while you think of it, and keep in touch. The man who fails to get and to read carefully the trade paper of his chosen line, is missing a while lot of valuable data that should be at his command.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

Read "The Guide." Read it all through. Don't let a single item escape your notice. You'll be surprised what a lot of valuable information is crowded into its pages in the course of a year.

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The man who does not advertise is like the man who stops his watch to save time.—Exchange.

Advertise and the world buys of you;
Renig, and you need a loan.
If you never tell what you have to sell,
You'll have troubles all your own.
— 'Los Angeles Evening Herald.'

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Irving Dillon.....Editor

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CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (80), Ninth and Wyoming sts., Philadelphia. Architect, private plans. Owner, Daniel Crawford, Jr., 701 North Sixty-third street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner ready for sub-bids on all lines.

Factory, 600-612 North American street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Pottash Bros., 504 North American street, Philadelphia. Stone, steel and brick, 2 stories, slag roof, steam heating, electric lighting, cement and yellow pine floors, skylights. Owners taking bids. Albert Schmitt, 2449 North Hancock street, and Wm. F. Koelle & Co., Twenty-sixth and Thompson streets, are figuring, in addition to those previously reported.

Parks (Reyburn and Connell), Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Public Works, room 216, City Hall, Philadelphia. Consists of armored concrete curbing, concrete pavements, coping and steps. Owners taking bids, due October 27th, at noon.

Culvert, Penna. RR., west of Thirty-third street, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. RR. Co., Broad Street Station, Philadelphia. Concrete. Owners taking bids, due October 26th, at 11 A. M.

Residence and Garage, Allen lane, east of McCallum street. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Wm. Reuss, 431 West Upsal street, Germantown. Stone, 2½ stories, 70x33 feet, shingle roof, hot water heating, oak oors, electric lighting, metal lath, tile work. Architects taking bids, due Oct. 22d. The following are figuring: F. B. Davis, 240 N. Tenth street; A. L. Fretz & Son, Heed Building; R. C. Ballinger & Co., 218 North Thirteenth st.; Pringle Borthwick, 8018 Germantown avenue; I. A. Dunkelberger, 71 East Herman street; H. E. Grau Co., 1709 Sansom street, and W. John Stevens, Wynecote, Pa.

Store (alt. and add.), 1307 Market street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Truly Warner Store, on premises. Brick, Caen stone, plaster, slate roof, steam heating, composition and maple oors, electric lighting, metal lath, ventilators, cabinet work, store fixtures, tile work. Architect has received bids.

Factory (add.), 4937 Stenton avenue, Germantown. Owners, Atwater Kent Mfg. Works, 4937 Stenton avenue, Germantown. Brick and concrete, slag roof, steam heat, electric lighting. Work contemplated.

Church, Indiana avenue and Almond street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, St. George's P. E. Church, care Rev. A. J. Arkin. Stone, 1 story, steam heating, electric lighting, slag roof. Architect taking bids, due October 28th. The following are figuring: F. E. Wallace, 1320 Chancellor st.; F. L. Hoover & Sons, 1023 Cherry street; Frank G. Stewart, 1619 Sansom street; H. H. Burrell, 206 South Quince street; Thos. Little & Sons, 1713 Moravian street; James H. Wells, Heed Building.

Factory, Eighty-second and Bartram avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Phila. Enamel Mfg. Co., care archi-

tect. Brick, 1 story, 200x120 feet, slag roof, pine and cement floors, metal sash. Owner has received bids.

Roof Support, Washington avenue and Darian street. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Ice Co., Sixth and Arch streets, Philadelphia. Consists of roof supports, steel and concrete. Architects have received bids.

Office Building (alt. and add.), Terrace and Grape streets, Manayunk. Architect, John T. Windrim, Commercial Building, Philadelphia. Owners, Bell Telephone Co., 1230 Arch street, Philadelphia. Brick and reinforced concrete, 2 additional stories, 16x48 feet, slag roof, hot water heating, cement floors, electric lighting, waterproofing, fire doors. Owners taking bids, due Oct. 27th. E. R. Hall & Bro., 34 South Seventeenth street; F. L. Hoover & Sons, 1233 Cherry street; and H. H. Burrell, 206 South Quince street; Stokes Bros., 6723 Musgrave street, are figuring.

Stores (3) and Apartments (2) and Garage, 2033 North Sixty-third street. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Walter Bassett Smith, 2135 North Sixty-third street, Philadelphia. Brick and terra cotta, 3 stories, slag roof. Plans will be started in a few days. Too early for details. Builder Alan G. Smith, 2135 North Sixty-third street, will take sub-bids in about three weeks.

Playground (shot tower), Front and Carpenter streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, City Hall. Consists of brick piers, iron fence, concrete and granite coping and granolithic paving. Owners have received bids.

Store and Residence (alt. and add.), 628 Pine street, Philadelphia. Architect, Wm. C. Prichett, 416 Walnut street, Philadelphia. Owners, Stephen Smith Estate, care architect. Brick, 2 stories addition, 18x48 feet, slag roof steam heating, electric lighting, cement and pine floors, store fixtures. Architect has received bids.

Residences (85), Springfield avenue and Delmar Terrace (west of Fifty-sixth street). Architect, private plans. Owner, Jas. C. Enburg, 5200 Wynnefield avenue, Philadelphia. Brick, 2 stories, 16x32 feet, and 16x40 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids on all lines.

Residences (57), Sixty-second and Pine streets, Philadelphia. Architect, private plans. Owners, Ramsey Bros., 5032 Catharine street, Philadelphia. Brick, 2 stories, 15x43 feet, slag roof, hot water heating, hardwood floors, electric lighting, tile work. Work about to be started.

Garage, Church lane and Main streets, Germantown. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Church Lane Garage Co., on premises. Brick, 1 and 2 stories, 76x110 feet, slag roof, hot water heating, electric lighting, reinforced concrete, ventilators, gasoline storage system. Architect has received bids.

Twin Residences (13), Harrison street, between Large and Horrocks streets, Frankford, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, E. C. Dreby, Frankford, Philadelphia. Brick, 3 stories, 16x46 feet, slate roofs, hot water

heating, electric lighting, hardwood floors. Owner, 3320 Almond street, Philadelphia, is taking sub-bids.

Residence, 1325 Pine street, Philadelphia. Architects, Hoffman & Co., Finance Building, Philadelphia. Owner, J. A. McCarthy, Real Estate Trust Building, Philadelphia. Brick, marble trimmings, 3 stories, 16x60 feet, slag roof, steam heating, hardwood oors, electric ighting, waterproofing, dumb waiters. Revised plans in progress.

Stores and Apartments (alts.), 5900-02 Baltimore avenue. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Land Title and Trust Co., trustees for the estate of Bernard MacMackin, Land Title Building, Philadelphia. Consists of general interior alterations, steam heating, electric lighting, tile work, hardwood floors, store front. Architects taking bids, due November 1st at noon. Wm. H. Eddleman & Sons, 453 Green lane, Roxborough; F. B. Davis, 240 North Sixteenth street; Ferguson & McDowell, 1003 South Fifty-first street; Joseph F. Myers, Jr., & Co., 1237 Ridge avenue, and Metzger & Fisher, Denckla Building, are figuring.

Branch Sewers, various locations, Philadelphia. Architect, private plans. Owner, City of Philadelphia, Department of Public Works, George E. Datesman, Director, City Hall, Philadelphia. Vitrified shale and common brick and concrete. Owners taking bids, due November 2nd, at Room 216, City Hall.

Residences (38), Tenth and Wyoming avenue, Philadelphia. Architect, private plans. Owner, Wm. A. Margerem, Sixteenth and Ruscomb streets, Philadelphia. Brick, 2 stories, 15x40 feet and 16x54 feet, slag roof, hardwood floors, hot water heating, electric lighting, tile work. Owner is taking sub-bids on all lines.

Residences (14), Thirty-first and Morse streets, Philadelphia. Architect, M. Haupt, 820 Drexel Building, Philadelphia. Owners, Northwestern Realty and Improvement Co., 225 North Thirteenth street. Brick, 2 and 3 stories, 16x28 feet and 46x51 feet, slag roof, hot water heating, hardwood floors, tile work. Work about to be started.

Community Garage, Chestnut street, west of Fifty-fifth street. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Albert R. Christman, care of architect. Brick, 1 and 2 stories, 30 stalls, 14x18 feet, slag roof, cement floors, electric lighting, steam heating. Plans completed.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.

A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.

It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

Don't knock. Boost! Don't grouch. Smile!
Don't mope. Advertise!

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Forging Plant Building and Tunnell, Frankford Arsenal. Architect, private plans. Owners, U. S. Govt., care Col. Geo. Montgomery, Frankford Arsenal. Brick and reinforced concrete, 1 story, 100x20 feet, felt or asbestos roof, cement and maple floors, metal sash and lath. Contract awarded to Austin & Co., Transportation Building, Philadelphia.

Residence (alt.), 3504 Hamilton street, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owner, Louis Magaziner, 603 Chestnut street. Brick, tin roof, steam heating, electric lighting, metal lath, tile work. Contract awarded to Lam Building Co., 1001 Wood street.

Factory, Twenty-eighth and Fletcher sts., Philadelphia. Architect, Frederick T. Uezzell, 147 North Third street, Philadelphia. Owners, Wm. Cohlman & Son, Inc., 2522 Dauphin street, Philadelphia. Brick, 3 stories, 15x110 feet, slag roof, steam heating, electric lighting, concrete floors, elevator, fire doors, steel rolling doors, ventilators. Contract awarded to John R. Wiggins & Co., Heed Building.

Transforming House, Tacony, Philadelphia, \$3,000. Architect, private plans. Owners, Henry Disston & Sons, Tacony, Philadelphia. Brick, steel and corrugated iron, 1 story, 18x40 feet. Contract awarded to Austin & Co., Transportation Building, Philadelphia.

Hospital (alt. and add.), 1822 Spring Garden street, \$12,000. Architects, Avery & Scheetz, St. Girard Building, Philadelphia. Owners, Phila. College of Osteopathy, 832 Pine street, Philadelphia. Brick and concrete, 2 and 3 stories, 27x27 and 10x16 feet, slag roof, fire doors. Contract awarded to Fred A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Church (add.), St. Marks street and Woodland avenue. Architects, Duhring, Okie & Eigler, Bailey Building, Philadelphia. Owners, St. Monica's P. E. Church, Rev. Richard Bright, 2135 South Fifty-eighth street, Philadelphia. Consists of additional story, stone, 60x40 feet, slag roof (heating, plumbing and

electric work separate bids). Contract awarded to George Dobbin, 8341 Germantown avenue.

Mill Building (add.), southeast corner Janney and Butler streets, \$8,000. Architect, Carl P. Berger, South Penn Square Building, Philadelphia. Owners, Belmont Packing and Rubber Co., Butler and Sepviva street. Brick, steel and stone, 1 story, 76x70 feet, slag roof, maple floors, metal sash, fire doors. Contract awarded to Freund Const. Co., Bulletin Building, Philadelphia. (Note change of builder.)

Office (alt.), Lehigh avenue and Howard streets, \$700. Architect, private plans. Owners, Ward-Meehan Co., on premises. Consists of general interior alterations. Contract awarded to John Codori, 1235 Arch street, Philadelphia.

Fan House (add.), Seventh and Lehigh avenue, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Hardwick & Magee Co., Seventh and Lehigh avenue, Philadelphia. Brick, 1 story, 22x14 feet, slag roof, cement floors, fire doors. Contract awarded to Harrison C. Rea Co., 1027 Wood street, Philadelphia.

Store (alt.), 41-43 South Fifty-second street, Philadelphia. Architect, C. E. Rahn, 410 Walnut street, Philadelphia. Owner, C. Howard Schermerhorn, King Courts Apartments, Philadelphia. Brick, concrete of new fronts and interior alterations. Contract awarded to Basch & Co., 1426 South Front street, Philadelphia.

Office Building, Nicetown, Philadelphia, \$200,000. Architect, Thomas B. Lippincott, Stephen Girard Building, Philadelphia. Owners, Midvale Steel Co., Widener Building, Philadelphia. Brick, reinforced concrete and terra cotta, 6 stories, 170x50 feet, slag roof, steam heating, electric lighting, composition concrete and mastic floors, metal lath, steel sash, fire doors, vacuum cleaners, elevator, waterproofing, marble and terrazzo work. Contract awarded to F. W. Mark Const. Co., Finance Building, Philadelphia.

Bethlehem, Pa. Architect, C. F. Townsend, 120 Church street, New Haven, Conn. Owners, Phi Delta Theta Fraternity, Lehigh University. Stone and hollow tile, 3 stories, 70x32 feet, slate roof, vapor vacuum heating, pine and oak floors, electric lighting, metal lath, waterproofing, weatherstrip, cabinet work, dumb-waiters, tile and marble work. Owners have received bids.

Garage (alt. and add.), Cynwyd, Pa. Architect, S. Robert Ross, Narberth, Pa. Owner, Wm. McGeorge, Jr., Cynwyd, Pa. Brick, steel and reinforced concrete, 2 stories, 24x92 feet, slag roof, cement floors, metal sash, metal ceilings. Architect has received bids.

Garage, Glenside Highlands, Pa. Architect, Oliver Randolph Parry, 1631 Chestnut street, Philadelphia. Owner, J. Thompson Riday, Jr., 735 Arch street, Philadelphia. Hollow tile, 1 story, 12x21 feet, shingle roof, electric lighting, steam heating. Architect has received bids.

Stables (alt.), Elkins Park, Pa. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, Geo. W. Elkins, Elkins Park, Pa. Stone and plaster, 1 story, steam heating, electric lighting, cement floors, weatherstrip, tile work. Architect has received bids.

Building (alt. and add.), Scranton, Pa. Architects, Duckworth Bros., Connell Building, Scranton, Pa. Owner's name withheld. Stone, reinforced concrete, 3 stories, slag roof, steam heating, electric lighting, metal lath, store fixtures. Plans in progress.

Store (alt. and add.), Dunmore, Pa., \$14,000. Architects, Duckworth Bros., Connell Building, Scranton, Pa. Owner, name withheld. Frame, 2 stories, 40x60 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence (alt.), Scranton, Pa., \$8,000. Architects, Duckworth Bros., Coal Exchange Building, Scranton, Pa. Owner, name withheld. Frame, 3 stories, slate roof, metal lath, tile work, cabinet work, marble work. Plans in progress.

Fire House, Hyde Park, Scranton, Pa. Architects, Duckworth Bros., Coal Exchange Building, Scranton, Pa. Owners, City of Scranton, Pa., care architects. Frame and stucco, 2½ stories, 15x75 feet, shingle roof, steam heating, electric lighting, metal lath, waterproofing, reinforced concrete floors, gasolien storage system. Plans completed. Ready for bids.

Store, North Wilkes-Barre, Pa., \$6,000. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Blaze Jewisky, North Wilkes Barre, Pa. Frame, 2 stories, 40x50 feet, slag roof, electric lighting. Plans in progress.

Twin Residences (150), Wilkes Barre, Pa., \$525,000. Architects, Sturdevant & Poggi, Coal Exchange Building, Wilkes Barre, Pa. Owners, Lehigh & Wilkes Barre Coal Co., Wilkes Barre, Pa. Frame, 2 stories, 28x48 feet, slag roof, hot air heating, combination lighting. Plans in progress.

Office Building, Ninth and Marion streets, Reading. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, E. F. Moore & Bro., on premises. Frame and stucco, 1½ stories, 36x20 feet, slate roof, steam heating, combination lighting, wood floors, metal sash and lath. Architect ready for bids.

Boys' Home, 821 Schuylkill avenue, Reading, Pa., \$20,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owners, Berks Co., Commissioners Office, Court House, Reading. Brick, 3 stories, 116x30x50 feet, tin and slag roof, vapor heating, electric lighting, metal lath, waterproofing and damp-proofing, marble work, metal window guards. Owners have received bids.

Brookside Country Club, Pottstown, Pa., \$15,000. Architect, F. A. Muhlenberg, Fifth and Penn streets, Reading, Pa. Owners, Brookside Country Club, Pottstown, Pa.

PENNSYLVANIA

Construction News

Dormitory Building (5) and Connecting Corridors, Byberry, Pa. Architect, Philip H. Johnson, Land Title Building. Owners, City of Philadelphia, Dr. Wm. Krusen, Director, Department of Public Health and Charities, City Hall. Brick, stone and hollow tile, (1) cottage, 2 stories, 54x88 feet and (4) cottages, 2 stories, 160x50 feet, slate and slag roof, pine floors (plumbing, vacuum heating and electric lighting separate bids), metal lath, pine floors, waterproofing and damp-proofing, weatherstrip, safety treads, tile and marble work, terrazzo work, metal window guards. Owners taking bids, due November 6th at noon. H. E. Baton, Twelfth and Sansom street; Wm. R. Dougherty, 1610 Sansom street; Mitchell Bros., 2125 Race street, are figuring.

Factory (add.), Chester, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Geo. H. Bonner, Chester, Pa. Brick, 1 story, slag roof, electric

lighting, mill work. Architect taking bids, due Oct. 26th. The following are figuring: Wm. Provost, Chester, Pa.; H. E. Baton, Twelfth and Sansom streets; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; Pomeroy Const. Co., 1609 Ranstead street; Loos & Dohard, Commercial Trust Building; John N. Gill & Co., Heed Building; Barclay White & Co., Perry Building; Wm. J. Gruhler Co., 219 E. High street, Germantown.

Garage, Wawa, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Geo. Wood, Wawa, Pa. Frame, 1½ stories, 37x100 feet, slate roof, cement and pine floors, metal lath, damp-proofing, ventilators, metal window guards, hollow tile, weatherstrip (heating, plumbing and electric work, gas storage system). Architects taking bids, due Oct. 26th. Jacob Myers & Sons Co., Witherspoon Building, figuring (only bidders).

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Residence, Fleetwood, Pa., \$5,000. Architect, Mayne M. High, 11 North Fifth street, Reading, Pa. Owner, Harry Ulrich, Fleetwood, Pa. Brick and stone, 2½ stories, 29x36 feet, slate roof, hot water heating, wood floors, electric lighting, tile work. Plans in progress. Will sub-let all contracts.

Garage, Wyomissing, Pa. Architect, A. A. Ritcher, 31 North Sixth street, Reading, Pa. Owner, Max Mittendorf, Wyomissing, Pa. Brick, concrete, 1 story, 20x22 feet, slate roof, steam heating, concrete floors, electric lighting. Plans in progress.

Garage, Wyomissing, Pa. Architect, A. A. Ritcher, 31 North Sixth street, Reading, Pa. Owner, Geo. H. Mayer, Wyomissing, Pa. Stone, concrete, 1 story, 26x22 feet, slate roof, steam heating, electric lighting, concrete floors. Plans in progress.

High School, Bridgeton, N. J., \$125,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owner, School Board, Bridgeton, N. J. Stone and brick, 2 stories and basement, 215x80 feet. Plans in progress. Too early for details.

Garage (alt. and add.), Chester, Pa. Architects, Savery & Sheetz, St. Girard Building, Philadelphia. Owner, Richard Wetherill, Chester, Pa. Stone, 2 stories, slate roof, steam heating, electric lighting, cement floors. Architect taking bids. Flounders Bros., Media, Pa., and R. C. Ballinger, 218 North Thirteenth street, Philadelphia, are figuring.

Residences (2), Conshohocken, Pa. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owner, Wm. Little, Conshohocken, Pa. Brick, 2½ stories, 25x36 feet and 25x28 feet, slate roof, hot water heating. Plans completed. Owner ready for bids.

Church, Chester, Pa. Architect, John Bergeson, 135 W. 125th street, New York City. Owners, Russian Orthodox Greek Catholic Church, Chester, Pa. Brick, 1 story, 34x60 feet, asbestos shingle roof, steam heating, electric lighting, pine floors, metal lath, damp-proofing. Architect taking an additional bid from Wills Ludwick & Co., 34 South Seventeenth street, Philadelphia.

Parish House (alt. and add.), Ridley Park, Pa. Architect, private plans. Owners, Vestry of Christ Church, care Rev. Francis B. Barnett, Ridley Park, Pa. Stone and plaster,

23x20 feet, slate roof, steam heating, electric lighting, pine floors. Owners taking bids, due Oct. 25th. In addition to those previously reported, Abel Bottoms & Sons Co., 3611 Walnut street, are figuring in addition.

Administration and Service Building, Darby and Eagle roads. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Haverford Township Commissioners, care Dr. H. B. Morse, sect., Llanerch, Pa. Stone and terra cotta, administration building, 2 stories, 46x76 feet; service building, 2 stories, 46x54 feet, slate roof, steam heating, electric lighting, waterproofing, tile work, iron stairs, roof ventilators, proposal bond. Architects taking revised bids, due Oct. 30th. McCloskey & Bahls, 1620 Thompson street; Lansdowne Const. Co., Lansdowne, Pa.; E. Oscar Robb, Llaneron, Pa.; Geo. W. Long, Llanerch, Pa.

Residence (alt. and add.), Cossart, Pa. Architects, Brown & Whiteside, 232 du Pont Building, Wilmington, Del. Owner, Francis S. Whitten, Cossart, Pa. Stone, hollow tile and plaster, 2½ stories addition, 31x14 and 32x32 feet, tin and shingle roof (heating and lighting reserved), oak floors, metal lath, cabinet work, tile and marble work. Architect taking bids, due Oct. 25th. E. R. Hall & Bro., 34 South Seventeenth street, Philadelphia, are figuring.

Garage, South Bethlehem, Pa. Architect, Jos. Fischel, South Bethlehem, Pa. Owner, Francis Donegan, South Bethlehem, Pa. Brick and steel, 1 story, 100x50 feet, slag roof, cement floors, metal sash, ventilators. Architect taking bids, due Oct. 23d. Fred A. Havens & Co., 845 North Nineteenth street, are figuring (heating, electric work and gasoline storage system reserved).

Garage (alt. and add.), Cynwyd, Pa. Architect, S. Robert Ross, 206 Elm Terrace, Narberth, Pa. Owner, Wm. McGeorge, Jr., Cynwyd, Pa. Brick, steel and reinforced concrete, 2 stories, 24x92 feet, slag roof, cement floors, metal sash, metal ceilings. Architects taking bids, due October 25th. Chas. C. Pace, Merion, Pa. Mowrer Bros., Merion, Pa., and Graham-Campion Co., Heed Building, are figuring, in addition to those previously reported.

Garage, Seventh and Northampton streets, Easton, Pa., \$25,000. Architect, E. H. Wenzelberger, Easton, Pa. Owner, Morris Krohn, on premises. Brick, steel and reinforced concrete, 2 stories, 66x110 feet, slag roof, steam heating, electric lighting, cement floors, gasoline storage. Plans completed. Will take bids in about one week.

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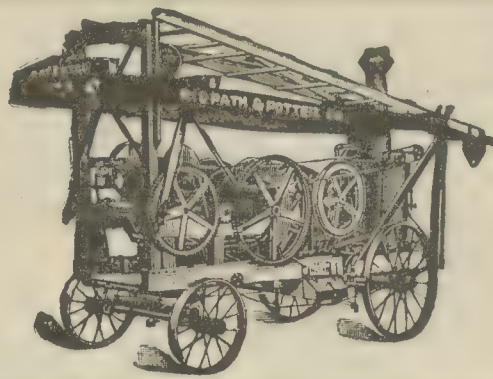
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Residence (alt. and add.), Camp Hill, Pa., \$40,000. Architects, De Armond, Ashmead & Bickley, 1429 Walnut street. Owner, Richard M. Cadwalader, Jr., Camp Hill, Pa. Stone, 2½ stories, shingle roof, vacuum heating, hardwood floors, electric lighting, hollow tile, cabinet work. Architects ready for sub-bids.

Sanitarium (adds.), Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanitarium for Tuberculosis, care of Dr. Samuel F. Dixon, 1900 Race street, Philadelphia. Stone and hollow tile and plaster. Dining building, ad-

dition, 3 stories, 65x47 feet; medical directors' residence, 2½ stories, 44x54 feet, asbestos shingle roofs, metal lath, iron stairs, kalamain doors, metal sash, yellow pine floors, fire escapes (heating, plumbing and electric work separate bids). Plans may be obtained from State Department of Health, care of Dr. Samuel G. Dixon, 1900 Race street, Philadelphia, upon deposit of \$25.00. Owners, care of Dr. Samuel G. Dixon, 1900 Race street, Philadelphia, taking bids, due October 31st. Frank G. Stewart, 1619 Sansom street, Philadelphia, and F. F. Shellenberg, Pittsburgh, Pa., are figuring.

PENNSYLVANIA

Contracts Awarded

Garage, Lansford, Pa., \$2,300. Architect, F. A. Muhlenberg, Colonial Trust Building, Reading, Pa. Owner, G. Howard Bright, Reading, Pa. Brick, 1 story, 30x40 feet, asbestos shingle roofing, steel sash, electric lighting, concrete floors. Contract awarded to Herman Riebe, Lansford, Pa.

Residence, Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Clarence L. Weiner, Lebanon, Pa. Brick and hollow tile, 2½ stories, 77x53 feet, asbestos roof, steam vapor heating, electric lighting, hardwood floors, tile work. Contract awarded to J. H. Greiner, Lebanon, Pa.

Store, Brookside, Wilkes Barre, Pa., \$5,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre, Pa. Owner, I. Sperling, Wilkes Barre, Pa. Brick, 1 story, 60x60 feet, slag roof, electric lighting. Contract awarded to John J. Reilly, Northampton street, Georgetown, Luzerne County, Pa.

New Store Front, Hyde Park, Scranton, Pa., \$4,000. Architects, Duckworth Bros., Coal Exchange Building, Scranton, Pa. Owners, Imperial Underwear Co., Hyde Park, Scranton, Pa. Contract awarded to Washburn & Williams, 119 Meridian street, Scranton, Pa.

Residence, Swarthmore, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Mrs. Wm. I. Hull, Swarthmore, Pa. Stone and shingle, 2 stories, 21x24 feet, shingle and tin roof (heating reserved). Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Residence (alt. and add.), Clay avenue, Scranton, Pa., \$6,000. Architects, Duckworth Bros., Coal Exchange, Scranton, Pa. Owner, name withheld. Frame, 2 stories, slag roof, steam heating and electric lighting extension, metal lath, hardwood floors, tile work, cabinet work. Contract awarded to Hagen Lumber Co., Hickory and Matts streets, Scranton, Pa.

Warehouse, Scranton, Pa., \$20,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owners, Caprouse Warehouse Co., Scranton, Pa. Brick, 3 stories, 56x100 feet, slag roof, steam heating, electric lighting, waterproofing, fire doors, ventilators, elevator. Contract awarded to E. S. Williams,

Coal Exchange Building, Scranton, Pa.

School, Simpson, Pa., \$40,000. Architect, Guy W. Osterhout, Scranton, Pa. Owners, Board of Education, Simpson, Pa. Brick and steel, 2 stories, 60x100 feet, slate roof, steam heating, electric lighting. Contract awarded to Hagen Lumber Co., Hickory and Matts streets, Scranton, Pa.

Church (alt. and add.), Scranton, Pa., \$10,000. Architect, R. W. Snyder, Title Guarantee Trust Building, Scranton, Pa. Owners, Second Presbyterian Church, Scranton, Pa. Terra cotta and plaster, 1 story, 30x50 feet, slate roof, electric lighting, waterproofing. Contract awarded to S. Sykes & Son, 1235 Penn avenue, Scranton, Pa.

Nay Aug Zoo, Nay Aug Park, Scranton, Pa., \$10,000. Architects, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners, City of Scranton, Pa., care John G. Hayes, Director of Public Works. Reinforced concrete, brick, steel and stucco, 1 bird house, 60x30 feet and toilet, 12x22 feet, slag roof, and glass roof, waterproofing and dampproofing, iron fences and cages. Contract awarded to Louis Caputo, 1039 South Main street, Scranton, Pa.

High School, Ashley, Pa., \$50,000. Architect, Austin L. Reilly, Bennett Building, Wilkes Barre, Pa. Owners, Board of Education, Thos. Cole, Ashley, Pa. Brick, stone and steel, 2 stories, 118x100 feet, slag roof, steam heating, electric lighting, metal lath, composition floors. Contract awarded to E. J. Donahoe, 16 Newport street, Ashley, Pa.

Silk Mill (add.), Dunmore, Pa., \$3,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners, James O'Donnell Estate, Dunmore, Pa. Brick, 1 story, 40x40 feet, slag roof, steam heating, electric lighting (sprinkler system reserved). Contract awarded to John T. Morahan, Calven street, Dunmore, Pa.

Apartment House, Easton, Pa., \$13,999.85. Architect, J. J. Weitsenfeld, Easton National Bank Building, Easton, Pa. Owners, P. O. S. of A., Washington Camp No. 542, Easton, Pa. Brick and terra cotta, 4 stories, 37x45 feet, slag roof, tile and terrazzo floors, metal lath, electric lighting, fire escapes (plumbing, heating separate bids. Contract awarded to Seal & Barrier, Easton, Pa.

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NEW JERSEY Construction News

Sunday School Building, Collingswood, N. J., \$8,000. Architect, private plans. Owners, Baptist Congregation, Rev. Frank Anderson, 42 Washington street, Collingswood, N. J. Stone, 1 story, 40x70 feet. Plans in progress. E. B. Rexom, 808 Haddon avenue, Collingswood, N. J., Chairman of Building Committee.

Church and Sunday School, Audubon, N. J., \$20,000. Architect, John A. Mowere, 3110 Columbia avenue, Philadelphia. Owners, Methodist Episcopal Church, Audubon, N. J., Jas. T. Caskey, Chm. Bldg. Co., Third and Spruce streets, Audubon, N. J. Granite. Plans in progress.

Residence (alts.) to Y. W. C. A., 132 East Hanover street, Trenton, \$2,500. Architect, J. Osborne Hunt, 114 North Montgomery st., Trenton, N. J. Owner, W. H. Yard, 132 East Hanover street, Trenton, N. J. Interior alterations, hot water heating, wood floors, electric lighting. Plans in progress.

Store House, Soldiers Home, Kearney, N. J. Architect, Geo. S. Drew, Capitol Building, Trenton, N. J. Owners, State of New Jersey, State House, Trenton, N. J. Concrete and frame, 1 story and basement, 32x48 feet, slag roof, steam heating, cement and wood floors, electric lighting, ventilators. Plans in progress.

Mill Building and Boiler House, Newark, N. J. Architect, Chas. W. Praray, 303 Times Building, New Bedford, Mass. Owner, John H. Meyer Tire Duck Co., Newark, N. J. Brick and concrete, 3 stories, 137x247 feet, slag roof, concrete and maple floors, plumbing, metal sash, waterproofing, fire doors, safety treads, terrazzo work, (1) elevator. Owners have received bids.

Residence, Mantua avenue and Glassboro road, Wenonah, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, R. H. Comey, Wenonah, N. J. Frame and shingle, 2½ stories, 55x47 feet, shingle roof, hot water heating, electric lighting (plumbing, heating, electric work and tile work reserved). Architects have received bids.

Dormitory Building, Hightstown, N. J. Architect, John F. Jackson, 1326 Broadway, New York City. Owners, Peddie Institute, Hightstown, N. J. Brick, reinforced concrete, hollow tile, terra cotta and plaster, 3 stories, 114x52 feet, and 2 wings 31x63 feet, slag and

slate roof (heating reserved), electric lighting, oak floors, metal lath, dampproofing, marble and tile work, dumbwaiter, slate blackboards, vacuum cleaner system, iron stairs, metal window guards, kalamein doors, roof ventilators, cabinet work. Revised plans in progress.

Home Building (alt.), Vineland, N. J., \$2,000. Architect, Geo. S. Drew, Trenton, N. J. Owners, State of New Jersey, Department of Charities and Correction, Trenton, N. J. Brick, general interior alterations (plumbing, heating and lighting separate bids). Owners, care Board of Managers of the N. J. State Institution for Feeble Minded, Vineland, N. J., have received bids.

Residences (4), Collingswood, N. J., \$12,000. Architects, Custer & Seltzer, Third and Market streets, Camden, N. J. Owner, Hillier Bircks, Collingswood, N. J. Frame and stucco, 2½ stories, 24x34 feet, shingle roof, hot water heating, electric lighting, metal lath. Plans completed. Owner will sub-let all contracts.

Wall, Criminal Insane Building, Trenton, N. J. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, State of New Jersey, State House, Trenton, N. J. Reinforced concrete, 126 feet long, 15 feet high. Lowest bidder, Dekimpe Const. Co., Hoboken, N. J., \$3,250.

Residence, Vineland, N. J., \$20,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Evan E. Kimble, Vineland, N. J. Brick and hollow tile, 2½ stories, 36x54 feet, electric lighting, tile roof, hot water heating, oak floors, tile work. Architect has received revised bids.

Buildings (3) (alt. and add.), Vineland, N. J. Architect, George S. Drew, Trenton, N. J. Owners, State of New Jersey, care of Board of Managers of the Home for Disabled Soldiers, Vineland, N. J. Brick addition, 1 story, 24x63 feet, alterations to main building, hospital and laundry addition, slag roof, cement and maple floors (steam heat and electric light reserved). Lowest bidders, Edw. Fay & Sons, 2 South Mole street, Philadelphia.

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NEW JERSEY

Contracts Awarded

Residence (alt. and add.), High Bridge, N. J., \$5,800. Architect, J. J. Weitsenfeld, Easton, Pa. Owner, Dr. J. J. Rufe, High Bridge, N. J. Hollow tile, stucco and frame, 2½ stories, 30x50 feet, slate roof, steam heating, electric lighting, hardwood floors, tile work, metal lath. Contract awarded to Henry R. Nier, Somerville, N. J.

Dairy Building, North Broad street, Trenton, N. J., \$10,000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Castanea Dairy Co., North Broad street, Trenton, N. J. Brick, concrete

and steel, 2 stories, 33x39 feet, slag roof, steam heating, electric lighting, metal lath, ventilators, wood floors. Contract awarded to S. W. Mather & Son, Trenton, N. J.

Residence, Cadwalder Heights, Trenton, N. J. Architect, Walter Thomas Mayo, 1703 Chestnut street, Philadelphia. Owner, Paul G. Duryea, 709 Monmouth avenue, Trenton, N. J. Stone, 3 stories, 28x42 feet, slate roof, hot water or hot air heating, hardwood and tile floors, electric lighting. Contract awarded to S. W. Mather & Son, Greenwood avenue and Coral street, Trenton, N. J.

MARYLAND

Construction News

Brewery (add.), 1104 Hillen street, Baltimore, Md., \$18,000. Architect, B. F. Zipp, 330 North Charles street, Baltimore. Owner, Fred Bauernschmidt, care of American Brewery, on premises. Brick, steel and concrete, 5 stories, 30x50 feet, slag roof, electric lighting, asphalt floors. Plans completed. Owner will take sub-bids on all lines.

Bungalows (5), Fairmount, Clifton avenue, Baltimore, Md. Architect, Norman Horn, Baltimore, Md. Owner, Paul B. Mules, Gunther Building, Baltimore. Frame and stucco, 1½ stories, slate roof, steam heating, electric lighting. Lorenz Schoenlein & Son, Gunther Building, will take sub-bids on all lines.

Garage, McCulloh street, Baltimore, Md. Architect, J. E. Moxley, Jr., 1709 Edmondson avenue, Baltimore. Owner, E. E. Ottenheimer, Law Building, Baltimore. Brick, steel and concrete, 2 stories, 52x120 feet, slag roof, steam heating, electric lighting, freight elevator. Plans in progress.

Laboratory, Monument street and Rutland avenue, Baltimore, \$200,000. Architects, Archer & Allen, 31 East Lexington street, Baltimore. Owners, Johns Hopkins Hospital, care of Dr. Frank Goodnow, president, on premises. Brick and stone, 3 stories, slate and

slag roof, steam heating, electric lighting, elevators, tile and marble work. Plans in progress.

Residence, Brooklyn Heights, Brooklyn, Anne Arundel County, Md. Architect, private plans. Owner, Mrs. A. Russell, East Lombard street, Brooklyn, Md. Frame, 2½ stories, 24x38 feet, slate roof, hot water heating, electric lighting. Dippel & Lauer, 25 North Ellwood avenue, are taking sub-bids on all lines.

Parsonage, First avenue and Bank street, Baltimore, Md. Architects, Blanke & Zink, Equitable Building, Baltimore. Owners, Nazareth Lutheran Church, Rev. Walter F. Obermeyer, 724 Dolphin street, Baltimore. Brick, 2 stories, 22x30 feet, slag roof, hot water heating, electric lighting, tile bath. Owner is taking sub-bids on all lines.

Residences (32), West Lanvale street, Baltimore, \$70,000. Architect, private plans. Owners, Piel Construction Co., 2519 Edmondson avenue, Baltimore. Brick, 2 stories, slag roofs, steam heating, electric lighting. Owners will take sub-bids on all lines.

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MARYLAND

Contracts Awarded

Store (add.), Beason and Haubert streets, Baltimore, \$7,000. Architect, private plans. Owners, Hughes Furniture Co., on premises. Brick, 3 stories, roofing not decided, electric lighting. Contract awarded to Henry S. Rippe, 7 Clay street, Baltimore, Md.

Dormitory, Curtis Bay, Md., \$7,500. Architect, James R. Edmunds, 908 Munsey Building, Baltimore. Owners, Davison Chemical Co., Curtis Bay, Md. Frame, brick and concrete, shingle roof, steam heating, electric lighting. Contract awarded to Henry A. Knott, 1340 North Eden street, Baltimore.

Garage (add.), 4 West West street, Baltimore, \$4,000. Architect, private plans. Own-

ers, L. W. Allers & Son, 1138 South Charles street, Baltimore. Brick, 2 stories, 29x59 feet, slag roof, concrete floors. Contract awarded to J. H. Smith, 1426 Light street, Baltimore.

Market House (alt.), Point Market, South Broadway, Baltimore, Md., \$5,475. Architect, Frederick Thomas, Gunther Building, Baltimore. Owners, City of Baltimore, City Hall, Baltimore, Md. Consists of general interior alterations, tile floors and walls, marble counters, electric lighting, plumbing, refrigerating plant, steel sash. Contract awarded to Price Concrete Const. Co., Maryland Trust Building, Baltimore.

Miscellaneous Construction News

Club House (alt. and add.), Eleventh and Market streets, Wilmington, \$2,000. Architect, J. E. Dallett, Equitable Building, Wilmington, Del. Owners, Wilmington Club, on premises. Brick and concrete, 1 story and basement, 14x45 feet, slag roof, steam heating extension, electric lighting extension, cement and wood floors, steel work. Plans in progress.

Residence (add.), 1005 Broome street, Wilmington, Del., \$4,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wm. G. Coxe, 1005 Broome street, Wilmington, Del. Brick and stone, 2 stories and basement, rear addition 20x30 feet, tin and shingle roof, vapor heating, combination lighting, pine floors, refrigerator. Plans in progress.

Business Block, Syracuse, N. Y. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owners, Fayette Park Realty Corporation, Syracuse, N. Y. Brick, stone, terra cotta, reinforced concrete, steel, 2 stories, 66x144 feet, asphalt roof, steam heating, tile and composition roof, electric lighting, hollow tile partitions, 2 elevators, metal sash, dampproofing, fire doors, skylights, store fixtures, safety treads, tile work. Architect taking bids.

Hefferman Const. Co., Onondaga Const. Co., O'Brien Const. Co., Taylor Harnsley Const. Co., McHale & Son, McGrath & Powers, and Delmonico Bros., all of Syracuse, N. Y.

Residence and Garage, Kennelbunkport, Me. Architects, Seeburger & Rabonold, Penna. Building, Philadelphia. Owner, Atwater Kent, 4937 Stenton avenue, Germantown. Stone and frame, 2½ stories, 26x125 feet, shingle roof, electric lighting. Plans about completed. Architect will take bids in one week.

Residence, Seventeenth and Wooland avenue, Wilmington, Del. Architect, E. Canby May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick and stucco, 2½ stories, 23x45 feet, slate roof, hardwood floors, metal lath (heating and lighting reserved). Contract awarded to Chas. Tindall & Son, Wilmington, Del.

Apartments (alt. and add.), 603 Washington street, Wilmington, \$4,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, ReRv. James Grant, Wilmington, Del. Brick, 3 stories, 15x30 feet, tin roof, hot water heating, tile and hardwood floors, combination lighting, dumbwaiter (heating reserved). Contract awarded to Dennis Buckley, 1702 Union street, Wilmington.

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O is the abbreviation for owner. C is for contractor.

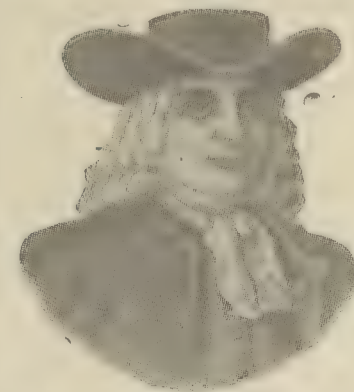
Philadelphia

Dwelling, 1729 North Third street, \$475. John Keenan (O), on premises. J. Jamison

(C), 2581 Huntingdon avenue. Rear addition, brick, 2 stories, 11x13 feet, slag roof.

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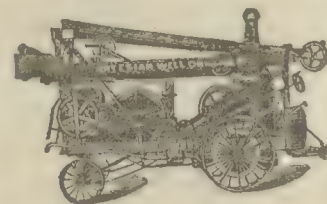
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Dwelling, 803 North Eighth street, \$850. B. Singer (O), on premises. M. Yellin (C), 712 North Franklin street. Flush bulks and alterations.

Store and dwelling, 139 North Eleventh street, \$400. Schlifer & Shifren (O), on premises. Simon Barnett (C), 415 Spruce street. Flush bulks and repairs.

Dwellings (2), 3726-28 Baring street, \$300. Harry League (O), on premises. Joseph R. Brown (C), 3812 Lancaster avenue. Repairs to two houses.

Rooming house, 1018 Walnut street, \$825. Charles Heshert (O), 12 Letitia street. C. K. Yocum (C), 6105 Webster street. Fireproofing, fire escapes.

Stores, 223-25-27 Arch street, \$10,000. Ellen C. Butler (O), 1527 Spruce street. F. T. Mercer Co. (C), 1706 Delancey street. Plumbing and repairs.

Dwelling, northwest corner of Thirteenth and Sixty-fifth avenue, \$5,500. Wm. Clausen (O), 6508 Park avenue. John Ashton (C), 316 Grange street. Stone, 3 stories, 26x37 feet, slate roof, hot water heating.

Garage, 5008 Penn street, \$800. John Scott (O), on premises. John Frothingham (C), 3367 Frankford avenue. Brick, 1 story, 18x20 feet, slate roof.

Storage, 422 North Fourth street, \$500. John Betz & Son (O), 411 Callowhill street. J. W. Cornell (C), Laurel Springs, N. J. Rear addition, brick, 1 story, 16x30 feet.

Church, southeast corner Fiftieth and Woodland avenue, \$900. Woodland Avenue

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Church (O), on premises. Frederick Sabin & Co. (C), 237-39-41 Broad street. Steam heating system.

Dwelling, 1104 Duncannon street, \$300. George S. Russell (O), on premises. Enos Neadman (C). Alterations.

Dwelling, 2440 North Front street, \$400. Shilling (O), Lauden street. R. H. Ingran & Sons (C), 4805 North Front street. Rear addition, brick, 1 story, 14x10 feet, slag roof.

Dwelling, 3433 North Twenty-first street, \$300. William Buckley (O), on premises. Wm. E. Stone & Sons (C), 2069 East Dauphin street. Repairs.

Machine Shop, 455 North Eighth street (rear), \$2,000. Wm. F. Ruivell (O), 719 Noble street. A. Raymond Raff Const. Co. (C), 1633-35 Thompson street. Rear addition, 1 story, 27x42 feet, wood roof.

Factory, Allegheny, west of Third street, \$1,000. Bernstein Manufacturing Co. (O), on premises. A. Raymond Raff Const. Co. (C),

Garage, north side of Arch street, west of Sixty-second street, \$20,000. Alex F. Elder (O), 153 Nauheim street. Vandesbury Bros. (C), 5802 Pemberton avenue. Brick, 2 stories, 30x30 feet, slag roof.

Garage, Beach and Poplar streets, \$3,000. Clayton Nichols (O), Beach and Poplar sts. F. L. Hoover Son (C), 1023 Cherry street. Brick, 1 story, 28x42 feet, cement floors.

Dwelling, east side Erefeld, north of Springfield avenue, \$2,000. W. B. Schneck (O and C), Chestnut Hill. Brick, 3 stories, 14x16 feet, tin roof, hot air heating.

Garage, Sixty-fourth and Greenway avenue, \$1,000. Hamilton Farrell (O and C), 6505 Woodland avenue. Brick, 1 story, 17x14 feet.

Garage, 3623 Emerald street, \$960. John Raligan (O), 3624 Frankford avenue. H. B. Husler (C), 3546 Germantown avenue. Brick, 1 story, slag roof.

Dwelling, south side Margaret, west of Melrose street. St. Valentine's Polish Catholic Church (O), on premises. A. H. Nosgarsk (C), 2416 Orthodox street. Brick, 2 story, 20x60 feet, slag roof, hot water heating.

Thirty-five dwellings, north side Medro, west of Old York road. A. J. Margolin (O and C), 203 South Fifth street. Brick, 2 stories, 16x55 feet, slag roof, hot water heating.

Ten dwellings, east side College street, north of Wakeling street, \$20,000. Harry Stoeks (O), 5006 College street. Anton Ashlers (C), 3425 Howell street. Brick, 2 stories, 14x43 feet, slag roof, hot air heating.

Garage, 2208 Fairmount avenue, \$1,500. S. E. Grenasen (O), 2324 Brown street. Samuel J. Roa & Son (C), 1608 Fairmount avenue. Brick, 1 story, 18x57 feet, slag roof.

Garage, Dilman street, north of Benner st., \$500. Edw. Wood (O), 3404 Benner street. W. Marknet (C), 5914 Ditman street. Brick, 1 story, 20x30 feet, slag roof.

Two dwelling, Rising Sun lane, north of

Tabor road, \$9,000. Alfred Stenhanair, (O and C), 5424 North Fifth street. Brick, 3 stories, 16x37 feet, asphalt shingle roof, hot air heating.

Four dwellings, east side Seventy-second street, north of Grays avenue, \$8,500. O. Knecht (O), 7101 Grays avenue. M. J. Welsh (C), 700 Woodland avenue. Brick, 2 stories, 16x27 feet, hot water heating, slag roof.

Thirty dwellings, 6201-5-9-11-13-15 Pine st., 6217-51 Pine street, 6253-6212 and 6250 Pine street, 6214-48 Pine street, \$130,000. Ramsey Bros. (O and C), 5932 Catherine street. Brick, 2 stories, 15x31 feet, slag roof, hot water heating.

Three dwellings, south side of Magee, east of Oakley st, \$5,200. N. Wells (O), Haddoneld, N. J. Michael Stevens (C), 910 Fanshaw street. Brick, 2 stories, 24x32 feet, slate roof, hot water heating.

Garage, 822 Delhi street, \$300. E. E. Abaldi (O), 928 South Eighth street. Antonio Blotta (C), 1418 Ellsworth street. Brick, 1 story, 15x18 feet.

Seven dwellings, west side Forty-sixth st., north of Locust street, \$35,000. James N. Mitchell (O and C), Forty-sixth and Market streets. Brick, 3 stories, 16x51 feet, slag and hot water heating.

Forty-four dwellings, north side of Second street, 56 feet south of Shunk street, \$89,500. Abram Besman (O and C), 2502 South Third street. Brick, 2 stories, 15x29 feet, slag roof, hot air heating.

Dwelling, east side Mantaur street, east of Collman street, \$2,800. George Kinsley (O), 3126 Custer street. William G. Isles (C), 1021 Gilham street. Brick, 3 stories, 16x32 feet, slate roof, hot water heating.

Garage, Thirty-eighth and Chestnut street, \$1,000. A. J. Saunders (O), Thirty-eighth and Chestnut street. Alex. Chambley (C), 243 South Tenth street. Brick, 1 story, 60x160 feet.

Garage, Third and Jackson streets, \$550. Jos. Devine (O), 1834 South Third street. H. Prettyman (C), 2503 South Broad street. Brick, 1 story, 17x50 feet, slag roof.

Six dwellings, west side of Mitchell street, south of Dupont street, \$11,400. Jacob J. Edelstern (O and C), 333 Heed Building. Brick, 2 stories, 14x30 feet, slag roof, hot water heating.

Garage, west side Yocum street, south of Sixty-seventh st, \$714. H. James (O), Sixty-sixth and Woodland avenue. Chas. Fletcher (C), 6930 Paschall avenue. Brick, 1 story, 17x30 feet, slag roof.

Garage, south side of Lincoln Drive, \$900. Simon & Bassett (O), 1112 Chestnut street. General Const. Co. (C), 931 Drexel Building. Brick, 1 story, 17x21 feet, slate roof.

Dwelling, 4505 Chester avenue, \$800. F. S. Thomas (O), on premises. Frederick Sabin Co. (C), 237 Broad street. Hot water heating

system.

Fruit store, Fifteenth and Market streets, \$700. Penna. R. R. Co. (O), Broad Street Station. Doyle & Co. (C), 1519-21 Samson street. Flush bulk, repairs.

Alterations and Additions

Storage, 956 North Front street, \$250. Espon Realty Co. (O), Third and Locust sts. Fred Hanens Co. (C), 845 North Nineteenth street. Alterations and repairs.

Residence, 1514 Master street, \$3,000. Wm. Anderson (O), 2506 North Eighteenth street. Elmer Smith (C), 807 Witherspoon Building. One story front addition, 17x20 feet, slate roof.

Bakery, 1011 Christian street, \$400. Ortonic Luchese (O), on premises. Frederick Abagha (C), 703 South Tenth street. Repairs.

Dwelling, 611 South Forty-fifth street, \$515. Chas. M. Schaeffer (O), 33 Grays Ferry road. Edw. W. Renas (C), 921 South Forty-sixth street. Hot water heating plant.

Store, Third and Jackson streets, \$750. Jos. Devine (O), 1834 South Third street. H. D. Prettyman (C), 2603 South Broad st. Brick, 1 story, 18x42 feet, slag roof.

Store and dwelling, 1430 South street, \$1,900. R. C. Venture (O), 1330 South Fifth street. Archibald Maetanish (C), 1515 Pine street. One story addition, 17x38 feet, slag roof.

Store and dwelling, 238 South Eleventh st, \$3,000. Mary Kayser (O), on premises. Henry E. Dahl (C), 231 South Eighth street. Second and third story addition, 12x18 feet, slag roof, repairs.

Crystallizing room, Twenty-ninth and Grays Ferry road, \$3,000. H. Bower Co. (O and C), 2815 Grays Ferry road. Brick, 1 story addition, 50x60 feet, slag roof.

Leather factory, 320-22 Vine street, \$800. Englasia Wallon Co. (O), Third and Vine sts. Monaghan & Losse (C), 3016 Chestnut street. Fireproofing.

Truck shed, Twentieth and Magazine lane, \$375. Pepper Estate (O), Land Title Building. A. Singley (C), Twentieth and Magazine lane. Frame, 1 story, 18x20 feet.

Foundry, Sixty-first and Gibson avenue, \$6,500. May Foundry (O), Thirtieth above Chestnut street. N. P. Enoechs (C), 842 S. Colden street. Brick or iron, 1 story, 50x144 feet, slag roof.

Tank, Richmond and Tioga streets, \$500. Dill Collins (O), on premises. W. Steele & Sons (C), 1600 Arch street. Tank supports.

Telephone exchange, Berks and Napa sts., \$3,000. Bell Telephone (O), 1230 Arch street. F. L. Hoover (C), 1023 Cherry street. One story addition, 10x12 feet.

Grocery store, Twenty-sixth and Parrish streets, \$350. Bell Co. (O), Hancock and Pollard streets. H. Goldner (C), 425 West Lehigh avenue. Steam heat.

Paint shop, 2773 Kensington avenue, \$350. Wm. Wallace (O), on premises. H. Goldner (C), 425 West Lehigh avenue. Hot water heating.

Bottling shop, north of Thompson, west of Thirtieth street, \$8,000. Arnholt & Schaefer Brewing Co. (O), Thirty-first and Thompson streets. Wm. F. Koelle & Co. (C), Twenty-sixth and Oxford street. Reinforced concrete roof, repairs.

Water tank, south side Clearfield street, at Park avenue, \$1,000. P. R. R. Co. (O and C), Broad Street Station. Water tanks.

Store, 726-28 Market street, \$2,000. Ernest Schwehn (O), 13 Wister street. Lam

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Building Co. (C), 1001 Ward street. Alterations and repairs.

Shop, east side Cambria, north of Seventh street, \$500. Daniel Adams (O and C), 2934 North Marshall street. Repairs.

Dwelling, 3416 Haverford avenue, \$325. John Dimon (O), 3416 Haverford avenue. M. F. Lamberth (C), 6628 Haverford avenue. Brick, 1 story rear addition, 12x30 feet.

Manufacturing building, 248 North Marvine street, \$1,500. G. S. Bingham (O), 250 North Marvine street. Z. Renssineck (C), 137 North Tenth street. Brick, 2 story rear addition, 1915 feet, slag roof, repairs.

Greenhouse, west side of Milner street, north of Fidler street, \$800. Robert Stewart (O), Torresdale. N. K. Fneas (C), Andolusia. Frame, 1 story, 20x28 feet, shingle roof.

Store, 26 South Fifth street. \$5,000. A. Megear (O), on premises. John Duncan (C), 920 Walnut street. Repairs, alterations.

Saloon, 229 South Broad street, \$1,500. Weightman Estate (O), 1524 Chestnut street. James S. Talley (C), 1931 Market street. Alterations.

Dwelling, 1037 South Leithgow street, \$650. Salvatore Basele (O), on premises. J. Ervin Jackson (C), 727 Walnut street. Second and third story addition, brick, 13x13 feet, slag roof.

Convent, Twenty-second and Green streets, \$900. Chapel, care Archbishop (O), Nineteenth and Race streets. Monghan & Losse (C), 3016 Chestnut street. Repairs and alterations.

Boiler room, Burmida and Margenilla sts., \$2,000. Barrett Co. (O), on premises. A. Raymond Raff Const. Co. (C), 1135 Thompson street. Brick, and concrete addition, 1 story, 33x84 feet.

Stone and dwelling, 2633 Sepriva street, \$700. Dr. Wolfe (O), 1701 Diamond street. Andrew Neiler (C), 1203 W. Somerset street. General repairs.

Dwelling, 2007 Germantown avenue, \$1,000. Samuel Carlson (O), on premises. Daniel McNamee (C), 1621 North Fifteenth street. Alterations.

Storage, 126 South Ninth street, \$1,000. Ernest Jamhor (O), 126 South Ninth street. Daniel McNamee (C), 1621 North Fifteenth street. Brick, 1 story rear addition, slag roof, 14x12 feet.

Storage, Rhawn and Van P. R. R., \$300. American Managnea Bronze Co. (O and C), Holmesburg. Alterations and repairs.

Kitchen, 7029 Woodland avenue, \$500. Richard McHugh (O), on premises. George S. Roe (C), 6949 Saybrook avenue. Brick, 1 story rear addition, 14x12 feet, slag roof.

Storage, 212-14-16-18-20 Quince street, \$1,300. S. S. White Dental Co. (O), 211 South Twelfth street. W. R. Dougherty (C), 1610 Sansom street. Brick, 1 story, 76x50 feet, slag roof.

Factory, Seventeenth and Indiana avenue, \$1,000. H. S. Dougherty (O), Seventeenth and Indiana avenue. Drehann Pav. Co. (C), 2622 Parrish street. Repairs.

Store and Apartment, 27 and 29 South Fifty-second street, \$500. Joseph Steele (O), 1600 Arch street. Wm. Steele Sons & Co. (C), 1600 Arch street. Repairs.

Shop, Milnor, north of Knox street, \$2,000. H. Disston & Sons Co. (O), Tacony, Pa. The Austin Co. (C), 53 Transportation Building. Iron, 1 story, 10 18 feet.

Store and dwelling, 3060 Kensington avenue, \$850. W. M. Hosnor (O), Bryn Mawr, Pa. E. Irving Shuttleworth (C), 3054 Kensington avenue. New flush bulks, repairs.

Dwelling, 1229 North Twenty-ninth street, \$350. F. Keeble (O), 1229 North Twenty-ninth street. H. I. Campbell (C), 1222 North Twenty-ninth street. Hot water heating system.

Shop (add.), 4163 North Fifth street, \$760. Phila. Pipe Bending Co. (O), on premises. Wm. E. Buckley (C), 2602 Fairhill street. Brick, 1 story, 18x45 feet.

Slaughter house, Seventeenth and Dickinson streets, \$550. D. Ruspapo (O), on premises. Harry Neimen (C), 2539 South Buelah street. Brick, 1 story, 18x9 feet, slag roof.

Store and dwelling, Eighth and Bainbridge streets, \$3,700. John Di Nubile (O), on premises. John Palaca (C), 710 Fitzwater street. Brick, 2 story rear, 18x16 feet, slag roof.

Storage building, Twenty-fourth and Bainbridge streets, \$2,000. Thornton Fuller Co. (O), Twenty-fourth and Bainbridge streets. John Dillon (C), 620 Cherry street. Brick, 1 story, 38x68 feet.

Store and dwelling, Iseminger and Mifflin streets, \$350. Michele Frignita (O and C), on premises. Two flush bulks repairs.

Store and dwelling, 4944 Germantown avenue, \$475. Jacob Saucak (O), on premises. Philip Goodman (C), 2640 South Third street. Brick, 1 story addition, 14x16 feet.

Dwelling, 1730 Master street, \$800. J. Frank Adams (O), 1811 Vanpelt street. H. M. Irvin (C), 1613 Ranstead street. Brick, 1 story addition, 11x14 feet.

Garage, 5601 North Fourth street, \$300. W. Witmer (O), 5601 North Fourth street. George S. Wardle (C), 5108 Duffield street. Brick, 1 story, 8x14 feet.

Machine Shop, Fiftieth and Lancaster avenue, \$13,500. Hess Machine Co. (O), Twenty-fifth and Callowhill streets. Sutton & Stephenson (C), 1317 Washington avenue. Brick, 1 story, 50x110 feet.

Dwellings (8), south side of Erie avenue, east of Emerald, \$22,500. Harry Izenberg (O and C), 2958 Aramingo avenue. Brick, 2 stories, 15x26 feet, slag roof, hot water heating.

Shops (3), east side of Richmond street, north of Norris street, \$55,000. Wm. Cramp Sons (O), Philadelphia, Pa. Hoffman Eng. and Const. Co. (C), Pennsylvania Building. Brick, 3 stories, 60x60 feet, asbestos roof, steam heat.

Garage, Ninth and Sedgley avenue. Pennsylvania Gas Globe Light Co. (O), Ninth and Sedgley avenue. Wm. Steele & Sons Co. (C), 1600 Arch street. Brick, 1 story, slag roof,

steam heat, 60x60 feet.

Warehouse, 15112-1520 Stillman street, \$28,000. Wills-Jones Co. (O), 1515 North Twenty-sixth street. George Kessler Const. Co. (C), 931 Drexel Building. Brick, 3 stories, 74x74 feet, slag roof.

Dwellings (17), east side Frankford avenue, north of Waln street, \$34,000. George Edel (O and C), Nilerest and Stenton avenue. Brick, 2 stories, 14x28 feet, slag roof, hot water heat.

Dwelling, Frankford avenue, corner Waln street, \$2,500. George Edel (O and C), Milcrest and Stenton avenue. Brick, 2 stories, 14x48 feet, slag roof, hot water heat.

Garage, Gillingham and Wassell streets, \$2,300. M. S. Osler (O), 4957 Hawthorne street. George W. Crosley (C), 2264 Bridge street. Brick, 1 story, 44x28 feet.

Offices, 529 Chestnut street, \$40,000. Girard Life Insurance Co. (O), 1012 Walnut street. Wm. Steele & Sons Co. (C), 1600 Arch street. Stone and brick, 2 stories, 23x24 feet, slag roof.

Dwellings (3), 930-32-34 Kimball street, \$9,000. Nick DeGregoseo (O and C), 927 Carpenter street. Brick, 3 stories, 16x24 feet, slag roof, hot air heat.

Office Building, Thirty-third and Arch sts., \$110,000. Edw. W. Harris (O), 338 Arch street. Irwin & Leighton (C), 126 North Twelfth street. Brick and stone, 2 stories, 911x91 feet, slag roof.

Garage, Erie avenue and Franklin street, \$500. Mrs. Morris (O), on premises. D. N. Sharpe (C), 3629 North Percy street. Brick, 1 story, 12x16 feet, tile roof.

Dwellings (2), Seventy-first and Glenwood avenue, \$4,600. Alfonso Fox (O and C), 2408 South Seventy-first street. Brick, 2 stories, 17x26 feet, slag roof hot water heat.

Garage, Ridge avenue, north of Monastery avenue, \$350. Wm. Zeisloft (O and C), 506 Monastery avenue. Brick, 1 story, 35x48 feet.

Garage, 2125 North Sixty-third street, \$1,000. Wm. McIntyre (O), on premises. Frank Mahan (C), Ardmore, Pa. Stone, 1 story, 30x65 feet, slag roof.

Garage, Sixth and Tabor road, \$7,000. Philadelphia Textile Works (O), Hancock and Somerset streets. Hennebique Const Co. (C), 1170 Broadway, N. Y. Concrete, 1 story, 51x40 feet.

Garages (4), Aushury terrace, west of Veshina street, \$2,000. Matthew Roth (O and C), Oak Lane. Stone, 1 story, 12x20 feet, shingle roof.

Dwellings (14), west side of Thirty-first street, north of Morse street, \$41,000. Northwestern Realty and Improvement (O and C), 225 North Thirteenth street. Brick, 3 stories, 15x28 feet, slag roof, hot water heat.

Garage, 24 West Mt. Pleasant avenue, \$1,544. Florence Stadwell (O), on premises. Frank K. Stahl (C), 2713 North Park avenue. Brick, 1 story, 20x32 feet, slag roof.

Dwellings (20), Crawson street from Locust, \$40,000. George W. Corson (O and C),

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**
Tasker Street Wharf, Delaware River, Philadelphia.

Locust avenue above Chew street. Brick, 2 stories, 16x32 feet, slag roof, hot water heat. Store, 1018 Arch street, \$1,200. A. Yeckle (O), on premises. Columbia Cabinet Co. (C), 226 North Fifteenth street. Flush bulks, repairs.

Residence, Fifty-sixth and Overbrook avenue, \$4,500. Mrs. W. Henry Sutton (O), Haverford, Pa. Milton S. Grawl (C), 601 Harrison Building. Rear addition, stone, 2 stories, 25x12 feet.

Store and Dwelling, 4028 Girard avenue, \$600. Max Shaw (O), 5072 Parkside avenue. James Lambor (C), 1443 North Fifty-second street. Hot water heating.

Dwelling, 1302- Sixty-eighth avenue, Oak Lane, \$300. Nathan Cramer (O and C), on premises. Repairs.

Church, 4400 North Fifth street, \$1,000. St. Henry's R. C. Church (O), 4433 North Fifth street. John A. Engel (C), 3006 North Fifth street. Rear addition, 1 story, 50x16 feet, metal roof.

Office, Twenty-eighth and Oxford streets, \$1,500. Max Wadlow Co. (O and C), 1024-28 Ridge avenue. Frame addition, 1 story, 27x120 feet.

Store, 2928 Diamond street, \$675. William Tripp (O), 3015 Ridge avenue. William McDowell (C), Thirty-second and Ridge avenue. Repairs.

Store, 1328 North Seventh street, \$800. E. Cooper (O), Bulletin Building. S. Yellin (C), 3125 Montgomery avenue. Flush bulks.

Manufacturing Building, Woodstock and Burke streets, \$800. C. M. Green (O), 2003 Norris street. Hugh Hazelton (C), 1701 North Twentieth street. Brick, 1 story, 14x36 feet.

Hotel, 1136-38-40 Pine street, \$875. Amos Scott (O), Twelfth and Pine streets. H. L. Scott (C), 228 North Sixteenth street. Install steam heating apparatus.

Dwelling, 5618 Chew street, \$600. Albert Grau (O), 1335 Arch street, Thomas Marshall (C), 413 Locust street. Repairs.

Dwelling, 2250 North Front street, \$500. Estate of Thomas Hunter (O), Fifth and Noble streets. E. H. Sturks (C), 2614 Ridge avenue. Interior alterations.

Dwelling, 4725 Chester avenue, \$475. C. E. Buzby (O), 4721 Chester avenue. M. W. Richey (C). Brick addition, 1 story, 18x7 feet, tin roof.

Pump House, Tenth and Cheltenham avenue, \$700. The Texas Co. (O), 17 Battery place, New York. The Texas Co. (C), Morris Building, Philadelphia. Addition, 1 story, 10x16 feet.

Dwelling and Store, 4228 Wayne avenue, \$400. Y. Dulka (O), on premises. A. Sisminsky (C), 1634 Ruffner street. Repairs.

Store and Dwelling, 3091 Kensington avenue, \$550. Wm. M. Hosnor (O), Bryn Mawr, Pa. E. J. Shuttleworth (C), 3054 Kensington avenue. Brick, 1 story, 16x7 feet.

Farm Building, corner Bustleton avenue, \$800. William Dudley (O), Samerton. C. H. Weiss (C), 9512 Bustleton avenue. Repairs to farm building.

Dwelling, 610 Elkin avenue, \$450. J. P. Maurer (O), on premises. L. Davis (C), Thirteenth and Nedro streets. Brick addition, 2 stories, 14x10 feet, slag roof.

Dwelling, 3902 Walnut street, \$400. Mrs. W. Farr (O), on premises. F. Browne (C), 4003 Sansom street. Brick addition, 1 story, 12x16 feet, tin roof.

Dwellings (2), 2043-45 East Cheltenham avenue, \$2,800. Wm. J. Magee (O), Cheltenham avenue and Stenton. W. Cowell (C), 943 East Cheltenham avenue. Brick addition, 1 story, 14x10 feet, slag roof, hot water heating.

Saloon, southeast corner Clarion street, \$1,500. Thomas M. Smyth (O), on premises.

Frank & Kaiser (C), 1522 South Sixth street. Repairs.

Manufacturing, Fifty-eighth and Walnut streets, \$1,000. William Conway (O), 5800 Walnut street. Roger Atkinson (C), Builders' Exchange. Alterations.

Factory, 734 Market street, \$500. Jamison Estate (O), Ritz Carlton Hotel. A. Raymond Raff. Const. Co. (C), 1635 Thompson street. Alterations.

Store and Dwelling, 1835 Chestnut street, \$1,500. B. Alexander (O), Hale Building. D. Henwood (C), 1509 Wood street. Flush bulks, repairs.

Store and Dwelling, 607 North American street, \$300. Aaron Hesman (O), 609 Montgomery avenue. Weinberg & Marcus (C), 554 North Lawrence street. Interior alterations.

Shop, east side of Richmond street, north of Norris street, \$3,000. Wm. Cramp Co. (O), Philadelphia. Hoffman Eng. and Const. Co. (C), Pennsylvania Building. Repairs.

Saloon, Fourth and Norris streets, \$585. J. Stranbmuller (O), Philadelphia, Pa. Fred Bower (C), 1826 East Willard street. Steam heating apparatus.

Ampitheatre, Nineteenth and Spring Garden streets, \$12,000. Osteopathic Hospital (O), 1822 Spring Garden street. Fred A. Havens (C), 845 North Nineteenth street. Brick, 27x27 feet.

Repair Building, 2217 North Carlisle st., \$3,500. Sigmond Romberg (O), 3209 Montgomery avenue. Abe Schestack (C), 628 Red street. Brick addition, 11 story, 17x70 feet.

Warehouse, Wakeling street, east of Stiles, \$2,800. Baum Tea Co. (O), Stiles and Wakeling streets. E. F. Bender (C), 6014 Torresdale avenue. Frame, 1 story, 52x42 feet.

Restaurant, 3704 Spruce street, \$520. L. Lister (O), 3704 Spruce street. Edw. Howard (C), 646 Allegheny avenue. Hot water heating apparatus.

Church, Woodland avenue and Marks streets, \$5,000. P. E. Church (O). George Dobbins (C), Chestnut Hill. Second story addition, 4x58 feet.

Store, 522 Arch street, \$700. Philadelphia Drug Co. (O), 522 Arch street. B. E. Ostrander (C), 954 Sartain street. Alterations and repairs.

Dwelling, 2056 St. Albans Place, \$550. Anna Stanton (O), on premises. Daniel Carlin (C), 1721 Bainbridge street. Second story addition, brick, 11x10 feet, slag roof.

Dwelling, 146 Pelham street, \$500. Wm. S. Turner (O), on premises. Samuel Harting (C), 20 East Johnson street. Repairs, shingle roof.

Storage, 123 South Forty-first street, \$700. M. W. Harris (O), Narberth, Pa. Ernest Purrin (C), Narberth, Pa. Brick addition, 1 story, 11x10 feet, tin roof.

Dwelling, 2931 North Seventh street, \$600. Arthur Scott (O), 2952 North Franklin street. Wm. L. Scott (C), 3225 Randolph street. Brick addition, 1 story, 10x8 feet.

Store, 3016 Kensington avenue, \$500. John E. Strecker (O), 3369 Frankford avenue. Edw. Klos (C), 3434 Frankford avenue. Rear addition, brick, 1 story, 15x25 feet, slag roof.

If you can persuade people to buy your goods you make money. "The Guide rounds up in its clientele the people you want to persuade. A certain amount of space and the right kind of selling argument does the rest.

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TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 14, 1916.—Sealed proposals will be opened in this office at 3 P. M. November 27, 1916, for the construction of the United States post office at East Orange, N. J. Drawings and specifications may be obtained from the custodian of the site at East Orange, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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Brick Renovating.

Adolph Christensen.....1433 Brown st., Phila.
John Gallatig.....447 W. Dauphin st., Phila.

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Mitchell Bros.....2125 Race st., Phila.
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Lehigh Portland Cement Co..Penna. Bldg., Phila.

Cement Colors.

Samuel H. French & Co...4th and Callowhill sts.

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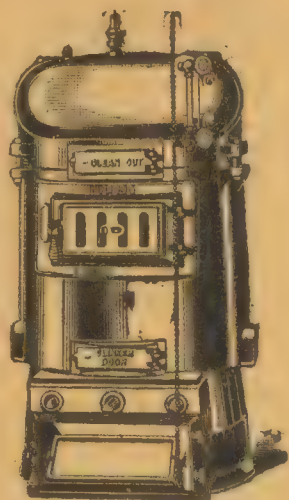
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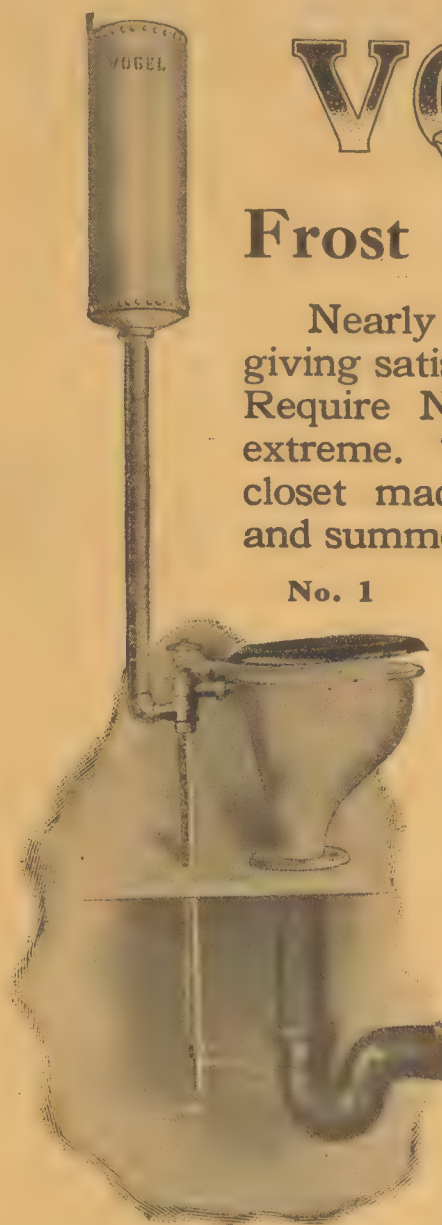
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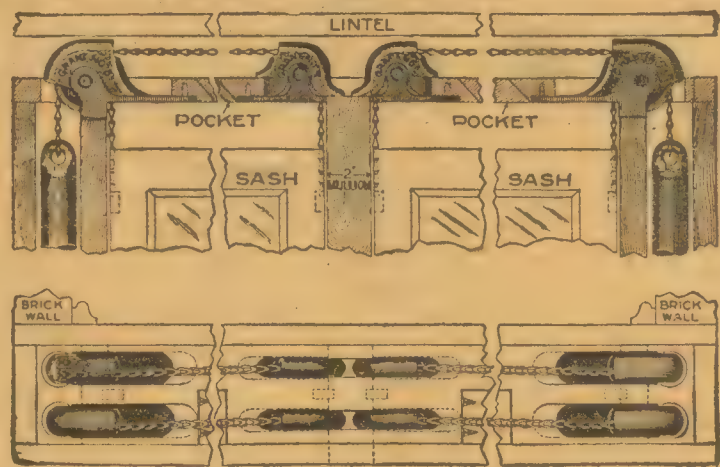
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Vol. XXXI., No. 44.

PHILADELPHIA, WEDNESDAY, NOVEMBER 1, 1916.

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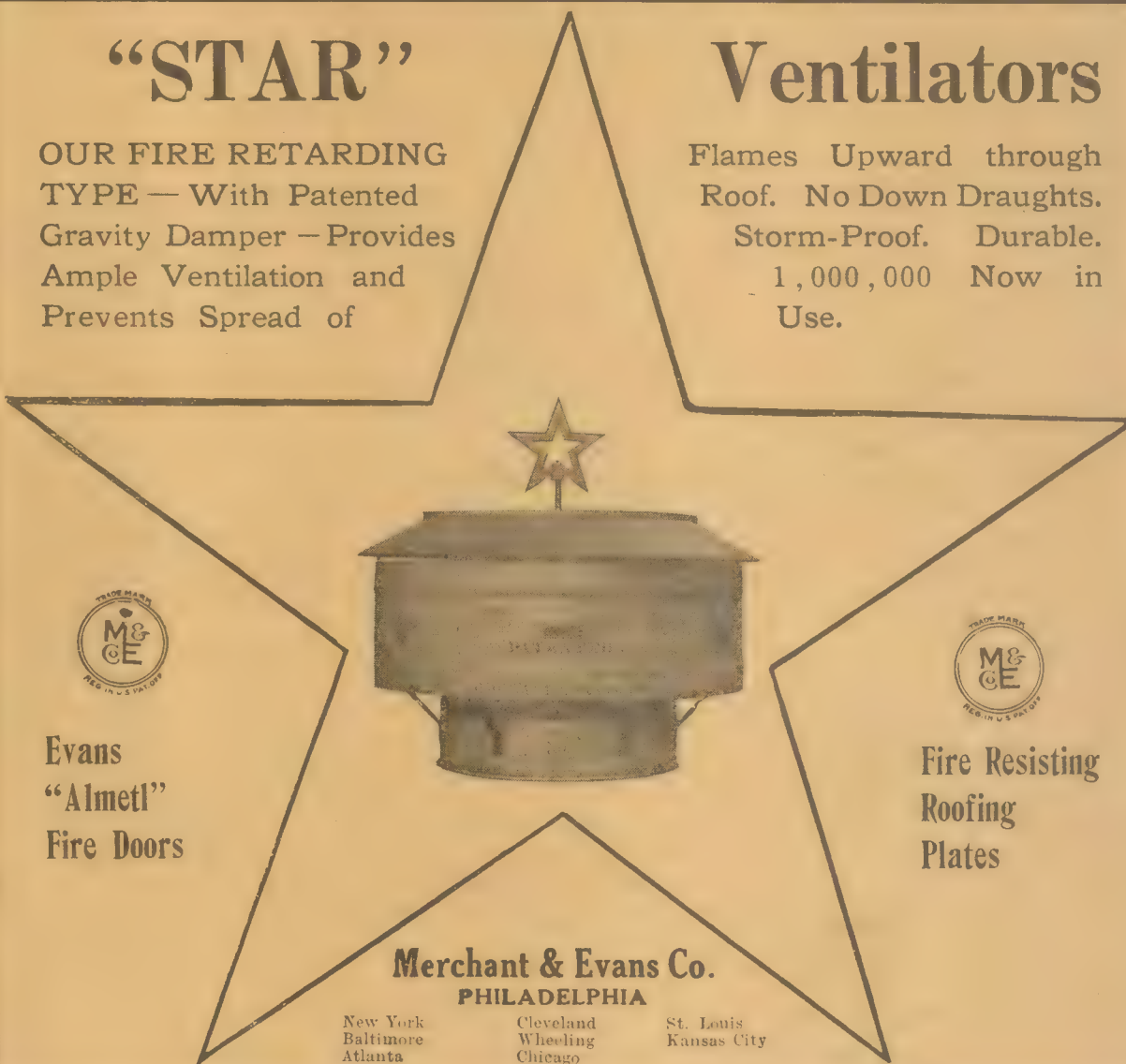
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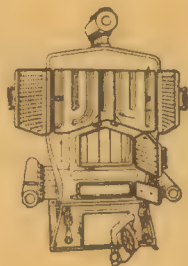
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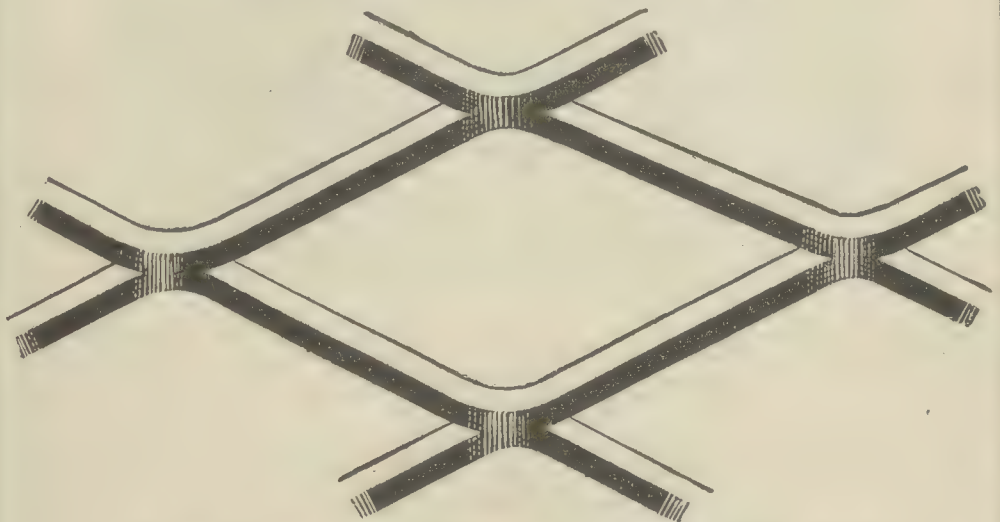
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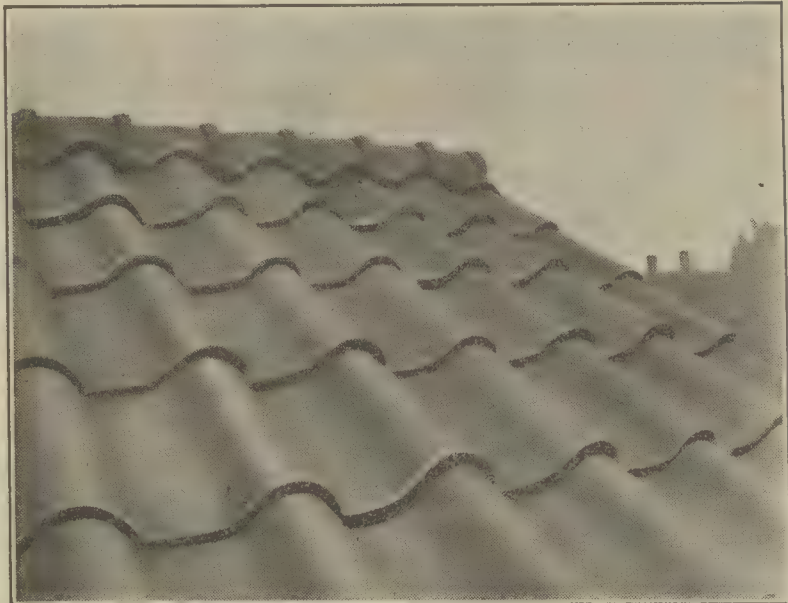
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The Standard Documents of the American Institute of Architects

The New Contract Documents of the American Institute of Architects are now on sale and replace the old Uniform Contract, which is to be discontinued

PRICES FOR SINGLE COPIES

Agreement and General Conditions in cover	\$.10
Bond of Suretyship	.02
Form of Subcontract	.02
Letter of Acceptance of Subcontractor's Proposal	.01
Complete set in cover	.15

Trial set delivered upon receipt of nine 2-cent stamps.

These Documents have received the full approval of the Institute, through its Convention, Board of Directors and Officers. They are the outcome of nine years of continuous work by a Standing Committee on Contracts and Specifications. This Committee, comprising some of the ablest American architects, was assisted by the Institute's forty Chapters; advised by eminent legal specialists in contract law and aided by representatives of the Building Trade Associations of the United States. The forms have been officially approved by the National Association of Builders' Exchanges, the National Association of Master Plumbers, and the National Association of Steam and Hot Water Fitters.

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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 44

PHILADELPHIA
November 1, 1916



As The Editor Sees It



THE *Bulletin of the Master Builders' Exchange of Philadelphia* contains an interesting communication from Mr. William Stanley Parker, vice-chairman of the Standing Committee on Contracts and Specifications of the A. I. of A., answering certain criticisms of the new standard documents of the architects. Writes Mr. Parker:

"There are only two objections made, which I will state and answer in order.

"First. The document is too voluminous. It is stated at the top of the second column that there are 'twenty-one pages of matter to be read and digested carefully before it is signed by the Contractor.' In making up this total there has been included the standard form of sub-contract, four pages, and the standard form of acceptance of sub-contractor's proposal, two pages. These are documents that are not included in the general contract forms as issued by an Architect. They have been prepared and issued merely for the benefit of the Contractor, giving him two standard forms for use in his business; one to be used in important sub-contracts where it is desirable to have on a single document the signatures of both parties, and the other a simpler but equally binding form of acceptance of a bid for less important work. These he can buy at low cost and keep on file or use from day to day, as is now being done by one of the largest general contractors in New England, who has adopted these documents as his regular office forms.

"The Standard form of Bond, two pages (really four pages), is also added in the total. I have never known a Contractor to worry about the form of Bond. He has generally taken any form the Bonding Company has presented when getting bonds from sub-contractors when his interest is far greater, and when he frequently suffers by a form

of bond it is difficult to enforce. He may well study the Standard form, and adopt it when getting bonds from his sub-contractors. If he intends to fulfill his contract he need not worry about the form of bond he gives to the owner."

* * *

THERE remains then only the 'Agreement' form and the 'General Conditions.' No objection is raised to the first, which is arranged to include only those conditions which are special in each case, that is, the names of the parties, the amount to be paid, the method of payment, and the time of completion of the work, with any additional special conditions peculiar to the job in hand.

"We come down, therefore, to the General Conditions against which the indictment of great length, and also confusion of statement, is raised.

It is stated that with the former "Uniform Contract" only a hasty perusal was usual. Why? Simply because contractors did not read the printed matter, but only the blanks filled in, since *they knew what the printed matter contained!* But did they know what was contained in the added general conditions that formed part of each Architect's specifications which he had to write because the matters were not covered by the Uniform Contract? These were, of course, different with each Architect and often with different jobs in the same office. Would a contractor rather read these varying and unknown general conditions in each case while making up his bid than have a somewhat longer printed form which he can study at his leisure and recognize at a glance when it comes to him with a new set of specifications?

"Contractors ought to welcome a long standard set of General Conditions. From their point of view, the longer the better, for it means more of the situa-

tions that are met in building operations put in standard form so as to be quickly understood, and a consequent lessening of the new clauses that will have to be studied in each set of specifications."

* * *

THE Documents are in many ways far more advantageous to contractors than the Uniform Contract, and those who are advising associations for contractors should be quick to see this and make clear to their members the value of the new forms. They are not confusing, granted a reasonable ability to comprehend.

"The other point objected to is that the documents say that the Architect is not the agent of the Owner. Contractors in this case must accept the inevitable right of the Owner to dictate on this matter. No Owner can be, with reason, expected to put his purse and his personal judgment in his Architect's hands and tell him to do as he sees fit. He does, however, agree, by the terms of the General Conditions, that for the purpose of carrying on the work according to plans and specifications the Architect is empowered in many ways to act as his agent. He has no power, however, to change work or add work for which the Owner will have to pay without the Owner's consent. This is ordinary business common sense, and contractors must maintain some of this business commodity and get proper acknowledgment from the Owner for orders involving changes in the work.

"The caption of your article should in my opinion have read as follows—

"*New Standard Document of Architects Not in Favor Among Those Who Do Not Thoroughly Understand It.*"

* * *

AND, as my old friend Johnny Patterson would say: "There you are again!" A contract form that will please everybody is not humanly

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possible. The question that determines the reasonableness or unreasonableness of a document of the kind is to what extent it approximates the spirit of fairness to all parties concerned. Most contractors, and all architects, regard the standard forms as the crystallization of an intelligent attempt to deal equitably with every phase of a more or less difficult situation. This is not, in any sense, a certificate of infallibility. They probably can be and doubtless will be improved in minor if not essential particulars. But this improvement will come as the result of definite and specific discussion and not from any disposition to find fault along general principles.

* * *

LITTLE Houses in Brick and Stucco" is the title of a paper in the October *Craftsman* that presents a number of shrewdly reasoned observations on the subject of what might be called the architectural verities. Not that there is anything strikingly new or daringly original in the ideas expressed by the writer. They are as old as Egypt, but they are as sound fundamentally to-day as they were in that cruder era in which the earlier craftsman inspired by a holy zeal, were laying the foundations for the arts as we know them to-day. It is healthy to have these old, basic, elementary principles recalled to us every little while. They sound, in the commercialism of an age unduly given to money-grubbing pursuits, a note calculated to bring us back to higher and better ideals. "Reasonableness and imagination," says the writer, "recognized by the mediaeval builders as the underlying principles of all great architecture, should be as inseparably united in the small home of to-day as they were in the great cathedralsof old. For the little house is an expression of thought, though a very different kind of one, as well as a cathedral. It is also an expression of art—if beauty be combined with usefulness. Art was born, as has often been pointed out, when useful things were accurately and beautifully made, were formed with vision. A square box strengthened with iron bands was a useful thing. When the bands were made in graceful forms and the box carved, then it became beautiful,—a work of art. A house staunchly made to defy enemies and shut out the rains was a satisfactory shelter, but it came not under the head of architecture until it was made shapely as well as stout, when doors and windows were set in symmetrical relation and the roof pitched to a pleasing angle. Common sense must go hand in hand with beauty, or as Michaelangelo says it: "Beauty must rest on necessities. The line of

beauty is the result of perfect economy." Beauty must be organic, said the old architects. Outside embellishment can easily become a deformity unless introduced in the most sympathetic of ways. This truth seems especially obvious in the small house. Large houses carry adornment better than the small ones, but even they reach to highest dignity when left free from what is generally termed ornament. The very word ornament, Pater points out, indicates that it is non-essential. The small house depends almost entirely upon structural symmetry for its beauty. A little home built upon a common sense floor plan with a simple exterior in which a delicate imagination and sense of proportion is expressed is one of the pleasantest objects to be seen in the whole world."

* * *

WORTH quoting, that. And for the young man in architecture, worth memorizing. The philosophy of it is not only sound. It is stimulating. It is tonic. It states, in little space, so much that ought to enable the young designer to avoid what is fundamentally bad in his art.

* * *

IN a discussion of materials for the *Little House* the writer has a chapter, worth reproducing, on brick:

"Brick has been in favor with builders," he writes, "from time immemorial. The Romans as far back as the sixth century used brick resembling a tile somewhat as far as its thinness was concerned. English houses of brick built in twelve hundred and sixty are still standing, testifying to the Roman influence. But they were used even before that date, for in the first part of Stephen's reign, eleven hundred and thirty-five, the leading citizens of London advocated the covering of houses by brick to lessen the risk of loss by fire, to prevent any more of the disastrous conflagrations that periodically swept London, fed by wooden houses thatched with straw.

"Brick in addition to its fire-resisting character has the quality of pleasing color. This twofold advantage puts it high in favor with home-builders. Besides its good color it has interesting texture and can be laid in many decorative ways. The crudity of the early hand-made unpainted brick gave to them a varied richness of color modulation and surface texture that was so much more pleasing than those one-toned ones smoothly painted in bright red, neatly striped with white, that modern makers have happily taken to imitating those varying tones of color that time and weather give. These modern brick are

made in every possible modulation of reds, browns, tans, terra cottas and grays, and in varying degrees of rough and smooth texture so that the builder of the tiniest of little homes or the tallest of skyscrapers can select a tone and a quality embodying his ideal. These modern quality-brick are especially charming for the small house, for they save it from the raw newness that offends the eye, giving it instead the time mellowed air that puts it in sympathy with Nature."

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

BE PROGRESSIVE.

The best is the cheapest on both ends and in the center. Improvement does not impose a tax, as efficiency pays for itself. The penny scimpner cannot possibly hold out against as much as the gloomy, ugly, and unobliging progress. The best equipped shop never asks establishment. Be progressive.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

EDITORIAL NOTES

Eighteen thousand tons of structural steel will go into the new Pennsylvania Hotel, in New York City, and 15,000 into the New York Central Hotel. At the current market price for plain material, which is 3 cents a pound or more at tidewater, as the minimum for ordinary delivery, the cost of the steel in either case runs into huge figures, without counting the charge for fabricating and erecting.

* * *

Michael Francis Doyle was the speaker at the weekly luncheon of the Master Builders' Exchange. Describing conditions as he saw them in war-torn Europe, he said that women are taking the place of men in every branch of industry and business, and wherever possible they are employed in the building trades.

* * *

Henry Baechlin, of Newark, was elected president of the New Jersey Chapter of the American Institute of Architects, at the October meeting. Other officers elected were: Vice-president, Stockton B. Colt, Elizabeth; second vice-president, Gilbert C. Higby, Newark; treasurer, re-elected, John F. Capen, Newark; secretary, re-elected, Hugh Roberts, Jersey City.

* * *

At the annual convention of the Oil, Paint and Varnish trade of the country, held at the Hotel Traymore in Atlantic City, a report was adopted expressing the conviction that prosperity will continue in the United States after the war abroad ends: "While there probably will be some temporary reaction due to the new problems we will face after the war, there is little doubt that the industrial and financial resources of our great country will be utilized by the European countries as much, if not more, immediately after the war period ends as in the past two years. It takes more material and labor to build up than to tear down" the report declared.

* * *

The National Association of Paint Jobbers, at the same place, passed resolutions urging the manufacturers to cooperate in the correction of abuses in long-term credits and discounts.

* * *

The International Portland Cement Corporation has been organized at Boston, to develop and equip a property in the Argentine Republic, containing a large deposit of raw materials necessary

for the manufacture of a high grade Portland cement.

Engineers estimate that cement can be manufactured and delivered in Buenos Ayres for \$1.60 (gold) per barrel. Under present abnormal conditions, cost would probably be \$2.35 per barrel. Previous to 1913, the average importation of cement was \$2,000,000 barrels a year. In that year the quantity imported reached 4,000,000 barrels. The average price, delivered, Buenos Ayres, has been \$2.92 (gold) from 1906 to 1911, and \$3.29 from 1912 to 1914. In the early part of this year the price reached \$5.40. No Portland cement has ever been manufactured in Argentina. Galen L. Stone will be chairman of the Board of Directors. Sheldon Bassett, now president of the Knickerbocker Portland cement Co., 30 East 42d street, New York, will be president and general manager.

* * *

Noble Foster Hoggson, president of Hoggson Brothers, who is now in Europe, is a member of the American Industrial Commission to France. The Commission is engaged in making a survey of the devastated section of France to determine what America can do towards rehabilitation. Mr. Hoggson is making a particular study of the question of industrial housing, town planning, the need for factories and other commercial structures, not only as to their planning and construction, but also as to their equipment.

SIMPLE TEST FOR BRICK POROSITY.

A simple test for brick porosity consists of holding the tongue lightly in contact with the brick, says a writer in the "London Building World." If a distinct suction is felt the brick will be very porous. If no appreciable suction is apparent, but the moisture rapidly dries from the surface of the brick, it is but slightly porous.

Bricks made by the semi-dry process—that is, by compressing the clay in the form of a damp dust—absorb only about 5 per cent. of water, though they vary greatly in this respect. Engineering brick absorb less than 1 per cent. of their weight of water. For all ordinary purposes, therefore, it is not desirable to designate bricks which absorb less than 15 per cent. of their weight of water, on immersion, as particularly porous.

We know lots of men who have made money without the aid of advertising, but—they haven't made it since 1876.

NEW POINT IN LIABILITY LAW.

Agreement Between Contractor and Sub-Contractor Does Not Permit Former to Shift Responsibility.

A contract or agreement between a contractor and sub-contractor is not good cause for the contractor to shift liability in the case of injury to or death of an employee of the sub-contractor, according to a decision recently reached by Referee William B. Scott, local representative of the State Workmen's Compensation Bureau. The workman must be a party to the agreement, declared the referee, otherwise it does not affect his rights.

The case involved the claim of Rosa d'Amico, widow of Guiseppe d'Amico, employed by James Porter, a sub-contractor under Irwin & Leighton, of this city. D'Amico was killed in an accident during the erection of a building for the Baldwin locomotive Works, Eighteenth and Buttonwood streets, March 1 last. An award of \$1,899.15 was made for the benefit of the widow and d'Amico's children, non-resident aliens.

In the case of non-resident aliens, the referee decided the award should be two-thirds the amount provided for residents.

COMING TRADE CONVENTIONS.

The National Builders' Supply Association will hold its annual convention at the Hotel Sherman, Chicago, February 11-12, 1917.

The Chicago Cement Show will be held in the Coliseum, Chicago, from Wednesday, February 7, to Thursday, February 15, 1917, inclusive.

The American Society of Mechanical Engineers will hold its annual meeting in New York December 5-8. Headquarters at the Engineering Societies Building, 29 West Thirty-ninth street.

BUILDERS' GUIDE

FORMERLY

The Philadelphia Real Estate Record and Builders' Guide

PUBLISHED WEEKLY

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Irving Dillon.....Editor

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building, southwest corner Eighth and Cumberland streets. Architects, Wm. F. Koelle & Co., Twenty-sixth and Oxford sts., Philadelphia. Owners, Breyer Ice Cream Co., Ninth and Cumberland streets. Brick, 4 stories, 53x73 feet, slag roof, woodoleum, maple and pine floors, metal lath and sash, fire doors, tile and marble work. Architects have received bids.

Residences (2), Arbutus street, east of Wayne avenue, \$30,000. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Robert Killough, Wayne avenue and Duval street. Stone, 2½ stories, 20x53 feet, tile roof, hot water heating, hardwood floors, electric lighting, tile work. Owner taking sub-bids on all lines.

Residences (8), Twelfth street and Sixty-fifth avenue. Architect, private plans. Owner, Frank J. O'Donnell, Broad and Cheltenham avenue. Stone, brick and plaster, 2½ stories, 16x55 feet, slate or tile roof, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

Garage, York road and Spencer street, Philadelphia. Architect, private plans. Owner, Matthew Donnelly, on premises. Brick, 1 story, 60x122 feet, slag roof, cement floors, (heating and electric work reserved). Owner taking bids. Conneen Const. Co., 1829 Filbert street; A. R. Raff Const. Co., 1635 Thompson street; John H. Dagny, Sixty-ninth avenue and Old York road, and John A. Ashton, 316 Grange street, Olney, Philadelphia, are figuring.

Apartment Hotel, Broad and Pine streets, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, name withheld. Reinforced concrete, brick, terra cotta, hollow tile, 15 stories, 70x112 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing and dampproofing, fire doors, ventilators, safety treads, tile and marble work, reinforced concrete and tile floors, (2) elevators, fire towers, cabinet work, dumb-waiters, terrazzo work, metal window guards, 10,000 gallon water tank. Architect will take sub-bids, due in about one week.

Residence (alt. and add.), 116 South Nineteenth street, \$10,000. Architect, Robert Wilson, 1802 Chestnut street, Philadelphia. Owner, Dr. B. A. Thomas, 116 South Nineteenth street, Philadelphia. Brick, 3 stories, 56x78 feet. Plans in progress.

Residence, 2230 Locust street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, name withheld. Consists of general alterations, hot water heating, hardwood floors, tile work, plumbing, slag roof. Architect will be ready for bids in a few days.

Storage Building (alt.), Twenty-second and Clearfield streets, Philadelphia. Architect, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Jacob Hornung, 2122 Clearfield street, Philadelphia. Brick, 2 stories, slag roof (heating and lighting reserved). reinforced concrete and asphalt, metal sash, fire doors. Architects taking bids, due November 3. Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Geo. L. Sipps, 912 Locust street; and E. E. Hollenback, Fifteenth and Race streets, are figuring.

Factory (alt. and add.), Beck and Swanson streets, Philadelphia. Architects, Heacock & Hokanson, 1218 Chestnut street, Philadelphia.

Owners, Hagy Waste Works, 836 Sansom st., Philadelphia. Brick, 2 stories, slag roof, cement and plank floors. Architect has received bids.

Factory (alt. and add.), 1631 North Second street, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Keystone Spinning Mills Co., on premises. Brick, steel and reinforced concrete 4 stories, slag roof, composition and concrete floors, metal lath, fire doors, steel sash, safety treads (power plant, elevators, light, heating and sprinkler system reserved). Architect taking revised bids, due November 2d, at noon. Barclay White Co., 1713 Sansom street; F. B. Davis, 240 North Sixteenth street, and H. E. Baton, Twelfth and Sansom streets, are figuring.

Residence (alt. and add.), 1635 Spruce st., Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Joseph R. Wainwright, 505 Chestnut street, Philadelphia. Brick, 3 stories addition, 15x22 feet, slag roof, wire lath, dumbwaiter, dampproofing, electric lighting, tile work. Architect taking revised bids, due November 3d. Mitchell Bros., 2125 Race street, Hogg Const. Co.; Jas. M. Tighe Co., 245 North Eleventh street; E. R. Hall & Bro. 34 South Seventeenth street, and J. Sims Wilson Co., 1125 Brown street, Philadelphia, figuring.

Garage, 1427-31 North Bouvier street, Philadelphia. Architect, private plans. Owner, Wm. P. Cochrane, 1036 Olive street, Philadelphia. Brick, 2 stories, 45x180 feet, slag roof, steam heating, cement floors (lighting reserved). Owner has received bids.

Sewer, Thompson street, from Seventh to Broad streets, Philadelphia. Engineer, private plans. Owners, City of Philadelphia, Department of City Transit, Bourse Building. Brick or concrete, 3,300 linear feet. Lowest bid submitted by the Keystone State Const. Co., Pennsylvania Building, Philadelphia.

Store Building, 855 North Broad street, Philadelphia. Architect, Le Roy B. Rothschild, Bullentin Building, Philadelphia. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Brick and stone, 2 stories, 30x160 feet, slag roof (plumbing, steam heating reserved), skylights, steel sash, tile, terrazzo and granite work, freight elevator. Plans in progress. Owners will take sub-bids on all lines in about one week.

Store (alt. and add.), 8524 Germantown avenue, \$7,000. Architect, Hubert S. Tees, care J. Fletcher Street, 129 South Fifth st. Owner, Peter Bromley, on premises. Brick, 2 stories, 75x20 feet, slag roof, hot water heating. Plans in progress. Will take bids in a few days.

Church and Rectory, Fifty-seventh and Baltimore avenue, Philadelphia. Architects, E. E. Hendrickson and Day & Klauder, 925 Chestnut street. Owners, P. E. Church of the Epiphany, Sherwood, Rev. W. N. Parker. Stone, 1 story, 40x105 feet, slate roof, steam heating, electric lighting, cabinet work. Architects taking revised bids, due November 4th. The following are figuring: H. E. Grau Co., 1709 Sansom street; J. Sims Wilson Co., 1125 Brown street; F. E. Wallace, 1220 Chancellor street; R. C. Ballinger & Co., 213 North Thirteenth street; Thos. C. Trafford, 1613 Sansom street, Philadelphia, and J. S. Rogers Co., Mooretown, N. J.

Sanitarium (alts.), Germantown avenue and

City Line, \$15,000. Architect, Henry L. Reinbold, Jr., 1309 Walnut street, Philadelphia. Owners, Bella Vista Sanitarium, Dr. H. L. Randall, on premises. Brick, 2 stories and basement, slate roof, steam heating, electric lighting. Architect taking bids, due November 4th. The following are figuring: Pringle Borthwick, 8018 Germantown avenue; Fred Elvidge & Son, 5522 Germantown avenue; R. M. Peterson, 5812 Wakefield street; Pinto & Giorgetta, 5244 Germantown avenue; Wm. J. Gruhler & Co., 219 High street; Eugene Tourison, 1001 Chestnut street; Henry P. Schneider, 3713 Old York road; Geo. A. Boyd, 5812 Schuyler street; Wm. J. Cowell, 943 E. Cheltenham avenue, and Burd P. Evans & Co., Thirteenth and Wallace streets.

Lead Shop (add.), Frankford Arsenal, Philadelphia. Architect, private plans. Owners, U. S. Govt, care Col. Geo. Montgomery, Frankford Arsenal. Brick, steel and concrete, 2 stories, 38x43 feet, slate roof, metal sash, waterproofing, cement floors, wire work. Revised plans in progress. Owners will advertise for bids in one week.

Stable, Water and Mifflin streets, Philadelphia. Architect, H. D. Prettyman, 2603 S. Broad street, Philadelphia. Owners, Reader Bros., 1910 South Front street, Philadelphia. Brick, 2 stories, 50x90 feet, slag roof, wood floors, electric lighting. Owner has received bids.

Bakery, Forty-first and Wallace streets, Philadelphia. Architect, Charles Balderston, 411 Walnut street, Philadelphia. Owner, John L. Heermann, 4136 Lancaster avenue, Philadelphia. Brick, 2 stories, 100x90 feet, slag roof, steam heating, electric lighting, fire doors, roof ventilators, ventilating sash, elevator. Owners taking bids. The following are figuring: Metzger & Fisher, Denckla Building; Graham Campion Co., Heed Building; Loos & Dohard, Commercial Trust Building; Philip Haibach Cont. Co., Twenty-sixth and Thompson street; Ketcham & McQuade, 1029 Brown street, and Bailey Lush Co., 201 North Broad street, Philadelphia.

Store (alt.), 7 and 9 North Second street, Philadelphia. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Max Sheetz, on premises. Brick, consists of new front, mill work, plumbing and general repairs, pine floors (heating, painting and electric work reserved). Architect has received bids.

Seal Deck Piers and Offices, Cherry street and Delaware river, \$500,000. Architect, private plans. Owners, Department of Wharves, Docks and Ferries, care Geo. S. Webster, Director, Bourse Building, Philadelphia. Pile foundation, reinforced concrete and steel; pier, 100x50 feet; office, 2 stories, 100x20 feet, slag roof, reinforced concrete and slate roof, electric lighting, metal lath, fire doors, rolling steel doors. Owners will advertise for bids in about two weeks.

Seal Deck Pier and Office, Kennilworth st. and Delaware river, \$700,000. Architect, Geo. S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, Bourse Building. Pile foundations, reinforced concrete and steel, pier, 180x550 feet, and office, 2 stories, 180x30 feet, slag roof, reinforced concrete and slate roofs, electric lighting, metal lath, fire doors, rolling steel doors. Plans in progress. Owners will take bids about January 1, 1917.

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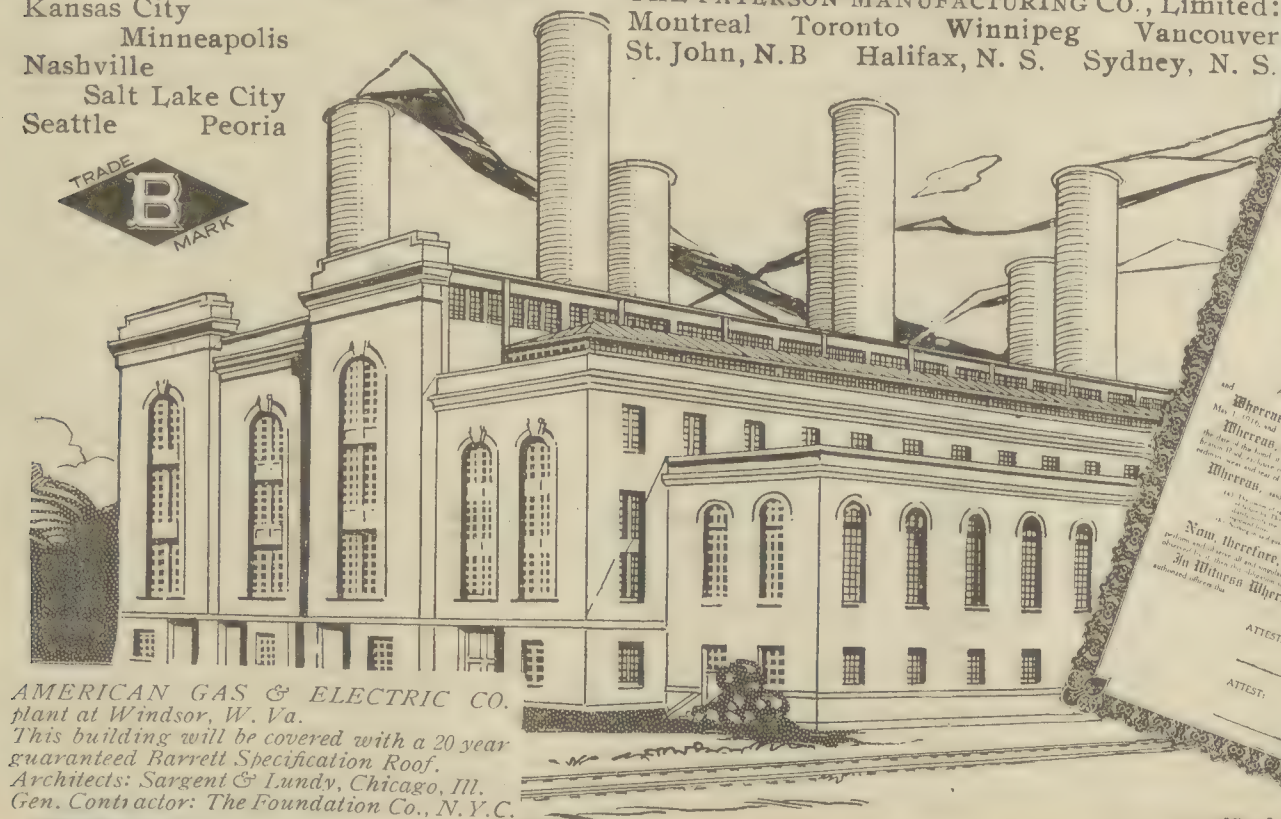
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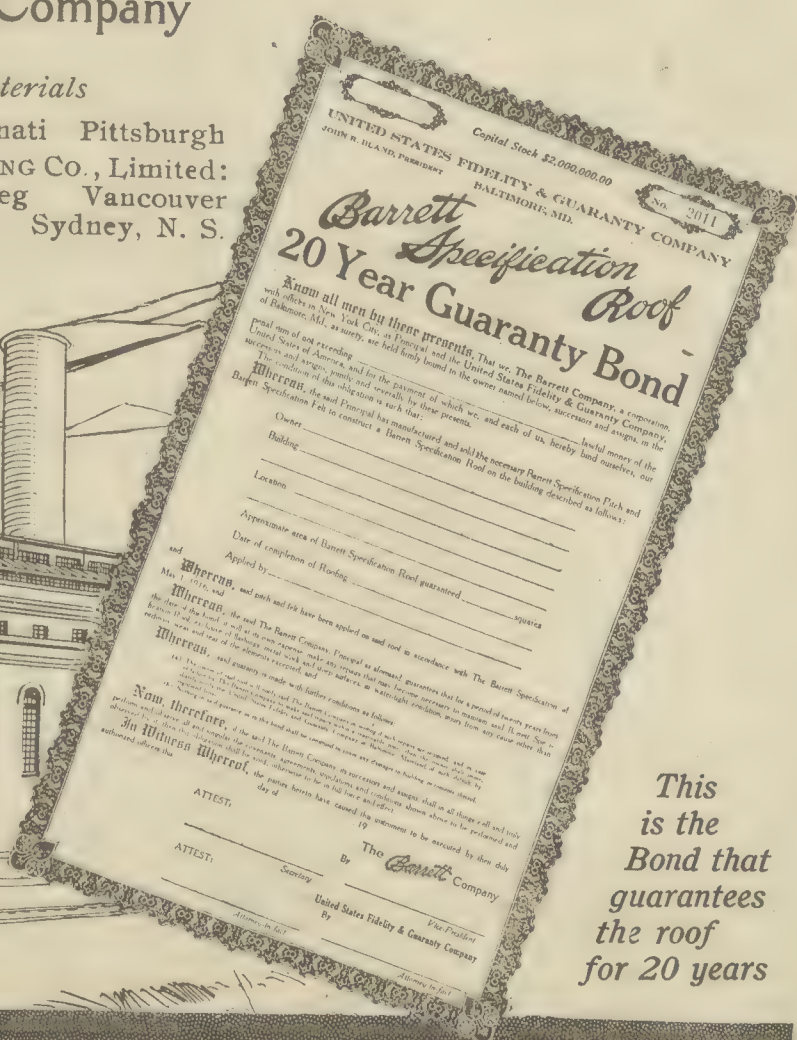
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Open Pier, south of Snyder avenue, Delaware river, \$500,000. Architect, Geo. S. Webster, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Pile and wood, 250x1000 feet. Plans in progress.

Factory (alt.), Sixteenth and Arch streets, Philadelphia. Architects, Stearns & Caster, 1007 Stephen Girard Building, Philadelphia. Owners, Stephen Greene Estate, Sixteenth and Arch streets. Brick, steel and terra cotta, 7 stories, steam heating, dampproofing and waterproofing, kalamein doors, sprinklers, marble work (electric work and office partitions reserved). Architects taking bids, due November 1st. The following are figuring: F. G. Stewart, 1619 Sansom street; John R. Wiggins & Co., Heed Building; Jas. H. Wells, Heed Building; Jacob Myers & Sons Co., Witherspoon Building; F. E. Wallace, 1220 Chancellor street; Wm. R. Dougherty, 1610 Sansom street, and Loos & Dohard, Commercial Trust Building; H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Garage, Logan, Philadelphia. Owner, H. Knowle, Logan, Philadelphia. Stone, 1 story, 23x26 feet, or 16x26 feet, slate and slag roof, cement floors. Owners has received bids.

Warehouse, 320 South Front street, Philadelphia. Architect, B. J. Medoff, 524 Walnut street, Philadelphia. Owners, A. Linton & Son, 519 South Second street, Philadelphia. Brick and steel, 3 stories, 25x100 feet, slag roof, electric light, dampproofing, ventilators, metal window guards, concrete floors, elevators, rolling steel doors. Plans in progress.

Recreation Pier (add.), Alleghany avenue and Delaware river, \$300,000. Architects, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, care Director Geo. S. Webster, Bourse Building, Philadelphia. Steel and concrete, 2 stories, 150x600 feet. Plans in progress.

Playgrounds (2), Cedar and Cambria sts. and Twenty-second and Sedgley avenue. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Room 527, City Hall, Philadelphia. Consists of swimming pools, shelter buildings, slag roof, brick and reinforced concrete (plumbing and electric work separate bids). Owners taking bids, due November 9th. In addition to those previously reported, H. E. Baton, Twelfth and Sansom streets; Monaghan & Losse, 316 Chestnut street; Robbins Cont. Co., 533 Lafayette Building; George Dobbins, 8341 Germantown avenue; Wayne Iron Works, Commercial Trust Building; Mitchell Bros., 2125 Race street; W. W. Anstine & Co., 1218 Filbert street, Philadelphia, are figuring.

Playgrounds (3), Shirley and Frances sts., C street and Indiana avenue and Sixth and Christian streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Room 587, City Hall, Philadelphia. Consists of grading, walks, etc. Owners taking bids, due November 9th at noon. In addition to those previously reported, H. E. Baton, Twelfth and Sansom streets; Monaghan & Losse, 316 Chestnut street; Robbins Cont. Co., 523 Lafayette Building; George Dobbins, 8341 Germantown avenue, and Wayne Iron Works, Commercial Trust Building; Mitchell Bros., 2125 Race street; W. W. Anstine & Co., 1218 Filbert street, Philadelphia, are figuring.

Parks (Reyburn and Connell), Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Public Works, Room 216, City Hall, Philadelphia. Consists of armored concrete curbing, concrete pavements, coping and steps. Lowest bidders, Anders & Snyder, 1215 Filbert street, Philadelphia.

Packing Plant and Sales House, 837 Callowhill street, Philadelphia. Architect, private

plans. Owners, Wilson & Co., care of Mr. Starr, 138 North Delaware avenue, Philadelphia. Concrete, steel and brick, 4 stories, slag roof, electric lighting, ventilators, fire doors, elevators, metal sash and lath, refrigerating plant. Plans in progress. Owners will take sub-bids on all lines around January 1st, 1917.

Club House (alt.), 1616 Master street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Young Men's Hebrew Association, on premises. Brick, 4 stories, slag roof, steam heating, electric lighting, pine floors, metal lath, waterproofing. Architect taking bids, due November 22nd. The following are figuring: Lam Building Co., 1001 Wood street; Smith-Hardican Co., 1606 Cherry street; Freund Cont. Co., Bulletin Building; Thomas Little & Sons, 1713 Moravian street, and Frank I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Shop Building, 141 North Twenty-fourth street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, J. M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 3 stories, 17x70 feet, slag roof, skylights, yellow pine floors, electric lighting. Plans about completed. Owner will be ready for sub-bids in a few days.

Factory (add.), Frankford, Philadelphia. Architects, Sheen & Gill, 822 Heed Building, Philadelphia. Owner, James Gibbons, care of architects. Brick, 1 story, 75x48 feet, slag roof, electric lighting, wood floors. Owner taking bids. Sheen & Gill, Heed Building, are figuring.

Lead Shop (add.), Frankford Arsenal, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Col. Geo. Montgomery, Frankford Arsenal. Brick, steel and concrete, 2 stories, 38x43 feet, slate roof, metal sash, waterproofing, cement floors, wire work. Owners taking revised bids, due November 3rd. Mitchell Bros., 2125 Race street; Monaghan & Losse, 3016 Chestnut street; W. W. Anstine & Co., 1218 Chestnut street; Thomas Reilly, 1618 Thompson street; Wm. R. Dougherty, 1610 Sansom street; Austin & Co., Transportation Building, are figuring.

Factory, 600-612 North American street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Pottash Bros., 504 North American street. Stone, steel and brick, 2 stories, slag roof, steam heating, electric lighting, cement and

yellow pine floors, skylights. Revised plans about completed. Owners will be ready for revised bids in a few days.

Garage, 1034 Lawrence street, Philadelphia. Architect, private plans. Owner's name withheld. Brick, 1 story, slag roof, steam heating, cement floors, electric lighting, steel beams, plumbing. J. Sims Wilson Co., 1125 Brown street, will take sub-bids on all lines, due November 2nd.

Apartment House, North Broad street, Tioga, Philadelphia. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owner, Horace K. Read, care of architects. Brick, stone and hollow tile, 4 stories, 50x200 feet, slag roof, steam heating, woodoleum and pine floors, electric lighting, metal lath, fire doors, ventilators, tile and marble work. Architects taking bids, due November 4th. Stacy Reeves & Sons, 2011 Market street; J. Richard Jackson Co., Perry Building, and Nickson-Duggan Const. Corp., 1218 Chestnut street, are figuring.

School, Sartain and Moore streets, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut street. Brick and reinforced concrete, stone trimmings, 3 stories, 84x113 feet, composition roof, steam heating, asphalt, cement and maple floors, metal lath and sash, waterproofing, fire doors, ventilators, tile and marble work, hollow tile, weather strip, cabinet work (plumbing, heating, electric work, ventilating separate bids). Owners taking bids, due November 10th at noon. Wm. R. Dougherty, 1610 Sansom street; Warren-Moore & Co., Commercial Trust Building; Cramp & Co., Denckla Building; Mitchell Bros., 2125 Race street, and H. H. Wehmeyer, 1001 West Lehigh avenue, are figuring.

Press Plant (add.), Nicetown, Philadelphia. Architect, private plans. Owners, Midvale Steel Co., Widener Building, Philadelphia. Brick and steel, 1 story, 59x40 feet, slag and reinforced concrete roof. Owners taking bids, due November 4th. F. W. Mark Const. Co., Finance Building; Barclay White & Co., 1713 Sansom street; W. W. Lindsay & Co., Harrison Building; Irwin & Leighton, 126 North Twelfth street; Harry Brocklehurst, 512 West Norris street; George C. Dietrich, Penn Square Building, Philadelphia, and Levering & Garrigues, 552 West Twenty-third street, New York City, are figuring.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Power House and Kitchen, Sixty-third and Cedar avenue, Philadelphia. Architects, E. F. Durang & Son, 1220 Locust street, Philadelphia. Owners, The Misericordia Hospital, care Sisters of Mercy, Merion, Pa. Brick, stone, steel and concrete, 1 story, composition roof (steam heat, plumbing and electric work reserved). Contract awarded to W. John McShain, 1610 North street, Philadelphia.

Store (alt. and add.), 1307 Market street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Truly Warner Store, on premises. Brick, Cean stone and plaster, slate roof, steam heating, composition and maple floors, electric light, metal lath, ventilators, cabinet work, store fixtures, tile work. Contract awarded to Vogel Cabinet Co., 1269 Broadway, New York City.

Garage and Alt. to Store and Dwelling, 715 to 721 South Third street, \$6,000. Architect, C. H. Rutherford, 715 South Third street, Philadelphia. Owner, A. Spear, 329 Monroe

street. Brick, 1 story, 70x60 feet, slag roof, steam heating, electric lighting, cement floors (gasoline storage reserved). Contract awarded to C. H. Rutherford, 715 South Third street.

Garage, Sixty-fifth avenue and Broad street, Philadelphia, \$3,000. Architect, private plans. Owner, Albert M. Pierce, on premises. Brick, 1 story, 37x29 feet, slate roof, steam heating, cement floors, electric lighting. Contract awarded to H. H. Wehmeyer, 1004 W. Lehigh avenue.

Riding Pavilion, Chestnut Hill, Philadelphia, \$15,000. Architect, Chas. E. Oelschlager, Harrison Building, Philadelphia. Owner, Henry A. Laughlin, West Chestnut avenue, Chestnut Hill. Brick and frame, 1 story, 40x190 feet, slag roof. Contract awarded to Fred Paulson, Seventy-fifth and Island road, Philadelphia.

Residence, Stenton avenue and Gravers lane, Chestnut Hill. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, Per-

cival Drayton, 34 W. Gravers lane, Chestnut Hill. Hollow tile and plaster, 2½ stories, 28 x 39 feet, 10 foot wing, slate roof, hot air heating and hardwood floors. Contract awarded to Geo. A. Boyd, 5812 Schuyler st.

Warehouse (alt.), 136 South Front street, \$800. Architect, private plans. Owner's name withheld. Consists of general interior alterations, cement floors, metal lath. Contract awarded to Loos & Dohard, Commercial Trust Building.

Saloon (alt.), 2448 E. Huntingdon street, \$2,000. Architect, Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, \$2,000. Architect, Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, John E. Letters, on premises. Consists of interior alterations, tile work. Contract awarded to Wm. F. Koelle & Co., Twenty-sixth and Oxford streets.

Service Building, 2530 North Broad street, Philadelphia. Architect, private plans. Owners, Carlisle & Doughty, care builder. Brick, 2 stories, 25x176 feet, slag roof, terra cotta front, steam heating, cement floors (electric work and oil storage system reserved by owners). Contract awarded to Henry P. Schneider, 3713 Old York road.

Saloon and Residence, Rising Sun lane and Eleventh street, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, Thomas Gallagher, on premises. Brick, 3 stories, 68x80 feet, slag

roof, steam heating, electric lighting, tile, maple and marble floors, cabinet work. Contract awarded to Cerasole & Seurei, 1231 Christian street.

Store (alt.), 7 and 9 North Second street, Philadelphia. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Max Sheetz, on premises. Brick, consists of new front, mill work, plumbing and general repairs, pine floors (heating and electric work reserved). Contract awarded to Max Shaftner, 602 Hoffman street, Philadelphia.

Bridge, No. 40, north of Pencoyd, on Main Line, Pa. Architect, private plans. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Consists of 15-foot span, steel and concrete, waterproofing. Contract awarded to P. McManus, Commercial Trust Building, Philadelphia.

Bridge, No. 38, south of Pencoyd, on Main Line, Pa. Architect, private plans. Owners, Philadelphia and Reading Railway Co., Reading Terminal. Concrete, steel, waterproofing. Contract awarded to P. McManus, Inc., Commercial Trust Building, Philadelphia.

Boiler House, Sixty-third and Eastwick streets, Philadelphia, \$1,600. Architect, private plans. Owners, Endura Manufacturing Co., Sixty-third and Eastwick streets. Brick, steel and concrete, 1 story, 50x50 feet, slag roof, cement floors. Contract awarded to Hughes Foulkrod Co., Commonwealth Building, Philadelphia.

PENNSYLVANIA

Construction News

Home Building (alt. and add.), Langhorne, Pa. Architect, John T. Windrim, 1501 Commonwealth Building, Philadelphia. Owners, Chas. E. Ellis's College for the Education of Fatherless Girls, Langhorne, Pa. Stone, frame and stucco, 3 stories, 25x68 feet, slate, slag shingle and tin roof, steam heating, electric lighting, metal lath and sash, metal lockers. Owners, care Hon. Dimmer Beeber, Commonwealth Trust Building, Philadelphia, taking bids, due November 8th. F. L. Hoover & Sons, 1023 Cherry street; H. E. Baton Twelfth and Sansom street; Jacob Myers & Sons, Witherspoon Building; H. H. Burrell, 206 S. Quince street, are figuring.

School, Reinerton, Porter Township, Schuylkill Valley, Pa., \$30,000. Architects, Hauer & Mowere, 3110 Columbia avenue, Philadelphia. Owners, School board of Porter Township, Reinerton, Pa. Brick, 2 stories, 110x50 feet, slag roof (heating, plumbing and lighting reserved). Revised plans in progress.

Church (alts.), Pottsville, Pa. Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets, Philadelphia. Owners, Trinity Church, Pottsville, Pa. Consists of general interior alterations (electric lighting and heating reserved). Architects taking bids, due November 6th. C. Messersmith, Walter Wertley Sons and Ossman J. Aregood, all of Pottsville, Pa.; Beard Const. Co., Colonial Trust Building, Reading, Pa.; W. S. Miller, Harrisburg, Pa.; H. H. Burrell, 206 S. Quince street, Philadelphia, and W. H. Eddleman & Sons, 453 Green lane, Roxborough, Philadelphia, are figuring.

Residence and Garage, North Glenside, Pa. Architect, private plans. Owner, P. Sheridan Moore, 1730 North Broad street, Philadelphia. Stone, hollow tile and plaster, 2½ stories, 28 x 36 feet, asbestos shingle roof, hot water heating, electric lighting, parquet floors. Owner has received bids.

Residences (60), Allentown, Pa. Architect, Jos. H. Cassone, 430 Chestnut street, Allentown, Pa. Owner, W. D. Cassone, 430 Chestnut street, Allentown, Pa. Brick, 2 stories, 15x45 feet, tin roof, hot air and hot water heating, electric lighting, hardwood and pine floors, tile work. Plans in progress. Owner ready for general and sub-bids in about ten days.

Hotel, Coatesville, Pa. Architect, W. Leslie Walker, 103 Park avenue, New York City. Owners, Worth Bros. Co., Coatesville, Pa. Brick, concrete and hollow tile, 4 stories, 216 x 32 feet, maple, pine and cement floors, metal lath, waterproofing and dampproofing, fire doors, tile and marble work, cabinet work, terrazzo work, mechanical equipment. Architect has received bids.

Garage and Porch Enclosure, Merion, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, E. E. Sautter, Merion, Pa. Frame and stucco, 13x18 feet, shingle roof, cement floors, metal lath. Architect has received bids.

Garage (add.), Glenside, Pa. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Miss B. D. Carey, Glenside, Pa. Stone, 1 story, tin roof, cement floor. Plans in progress.

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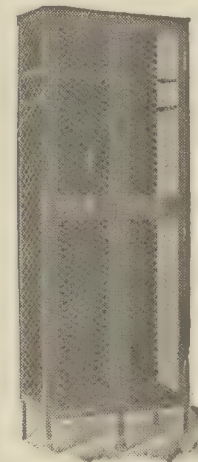
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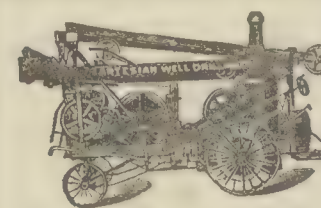
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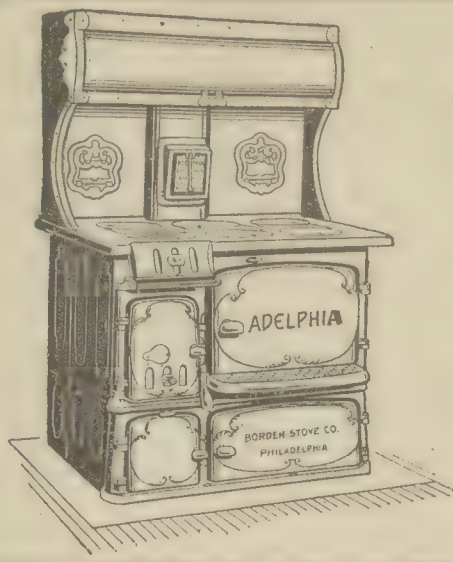
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Administration and Service Building, Darby and Eagle roads, Oakmont. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Haverford Township Commissioners, care Dr. H. S. Morse, secretary, Manerch, Pa. Stone and terra cotta, Administration Building, 2 stories, 46x76 feet; service building, 2 stories, 46x54 feet, slate roof, steam heating, electric lighting, waterproofing, tile work, iron stairs, roof ventilators, proposal bond. Architects have received bids.

Bungalow, New Hope, Pa. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owner, name withheld. Hollow tile and rough east, 2 stories, 30x50 feet, asbestos shingle roof (heating and plumbing reserved), electric lighting. Architects taking bids, due November 1st. The following are figuring: Rush Bros., 1100 Fillmore street, Philadelphia; A. C. Myers, Buckingham, Pa.; C. W. Booze, and Howard Large, both of New Hope, Pa.

Freight House, Try street, Pittsburgh, Pa. Architect, M. A. Long, Baltimore, Md. Owners, B. & O. R.R. Co., care K. M. Begien, C. E., Baltimore, Md. Steel and corrugated iron or brick, 1 story, 22x750 feet, slate roof, steam heat, maple floors (lighting and rolling steel doors reserved), metal sash, cement and block paving. Owners had received bids.

Hotel, Willow Grove, Pa. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, name withheld. Frame, 2 stories, 150x24 feet, wing 50x24 feet, shingle roof, compo-board partitions, electric lighting, yellow pine floors, plumbing and tile work. Plans about completed. Architect will be ready for bids in a few days.

Swimming Pool, Willow Grove, Pa. Architect, Herman H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, name withheld. Cement and waterproofing or asphalt, 200x150 feet. Plans about completed. Architect will be ready for bids in a few days.

Power plant (remodeling boiler room), Enola, Pa. Architect, private plans. Owners, Penna. Railroad Co., Broad Street Station. Steel, reinforced concrete and fire brick, 1 story, concrete floors. Owners, care W. B. McCaleb, Supt., Harrisburg, Pa., have received bids.

Sanitarium (adds.). Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanitarium for Tuberculosis, Dr. Samuel F. Dixon, 1900 Race street, Philadelphia. Stone and hollow tile and plaster. Dining building (add.), 3 stor-

ies, 65x47 feet; medical directors' residence, 2½ stories, 44x54 feet, asbestos shingle roofs, metal lath, iron stairs, kalamein doors, metal sash, yellow pine floors, fire escapes (heating, plumbing and electric work separate bids). Owners taking bids on completion of contract. In addition to those previously reported, Conners Bros. Co., 64 West Eighty-eighth street, New York City, are figuring.

Bungalows (6), Glenside, Pa. Architect, private plans. Owners, Wm. T. B. Roberts & Son, Glenside, Pa. Stone or frame and stucco, 1½ stories, 20x30 feet, slate or shingle roof, hot water heating, hardwood floors, electric lighting, tile work. Owners taking sub-bids.

Garage, Olney Station, Pa. Architect, M. B. Bean, Lansdale, Pa. Owner, Charles Springer, Olney, Pa. Brick, 1 story, 48x20 feet, asbestos, shingle or slate roof, electric lighting. Plans in progress. Owner will take bids in about one week.

Church, Langhorne, Pa. Architect, Thos. Stephen, Camden, N. J. Owners, Bethlehem A. M. E. Church, Rev. Frank Bradley, Langhorne, Pa. Stone and limestone trim, 1½ stories, 49x55 feet, slate roof, steam heating, electric lighting. Owners taking bids.

Department Store (alt.), 24-32 North Third street, Harrisburg, Pa. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, William B. Schleisner, on premises. Brick, 4 stories, 84x125 feet, slag and tin roof, maple floors (heating and lighting reserved by architect), tile and marble work. Plans about completed. W. S. Miller, Harrisburg, Pa. Builder will take sub-bids on all lines in about one week.

Hotel (alt.), 29 East Gay street, West Chester, Pa. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, A. Nezyas, 16 East Gay street, West Chester, Pa. Consists of general interior and exterior alterations, tile work, bulk windows, parquet floors, combination lighting, hot water heating system. Plans about completed. Owner will take bids in about one week.

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PENNSYLVANIA Contracts Awarded

Group of Buildings, Ivy Rock, Pa. Architects, Savery & Cheetz, Stephen Girard Building, Philadelphia. Owners, Alan Wood Iron & Steel Co., Widener Building, Philadelphia. Brick and concrete, employees building, 3 stories, 47x25 feet; restaurant, 1 story, 32x40 feet, slag roofs, electric lighting, steam heating, metal sash, fire doors, roof ventilators. Contract awarded to Roydhouse-Arel Co., Fidelity Building, Philadelphia.

Garage and Alteration to Office and Warehouse, Wilkes Barre, Pa., \$15,000. Architect, private plans. Owners, The Atlantic Refining Co., 3144 Passyunk avenue, Philadelphia. Brick and concrete, 1 story, 38x29 feet, 50x43 feet, slag and reinforced concrete roof, reinforced concrete floors, electric lighting, fire doors, ventilators, metal window guards. Contract awarded to Metzgar & Fisher, Denekla Building, Philadelphia.

Garage, Glenside Highlands, Pa. Architect, Oliver Randolph Parry, 1631 Chestnut street. Owner, J. Thompson Riday, Jr., 735 Arch st., Philadelphia. Hollow tile, 1 story, 12x21 feet, shingle roof, electric light, steam heating. Contract awarded to C. H. Hill, Willow Grove, Pa.

Residence, Villa Nova, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Morris L. Clothier, Villa Nova, Pa. Brick, stone, hollow tile and plaster, 2½ stories, 157x58 feet, slag and copper roof, steam heat, pine floors (lighting, cabinet work and finished floors reserved), metal lath, waterproofing and weatherstrip. Contract awarded to Geo. A. Fuller Co., Widener Building, Philadelphia.

Residence, Wynnefield, Pa. Architect, H. Rex Staekhouse, Drexel Building, Philadelphia. Owner, Wm. F. Hudson, care architects. Stone, 3 stories, 70x32 feet, slate roof, electric lighting, tile work, hardwood floors. Contract awarded to John V. Speth & Co., 1714 Sansom street, Philadelphia.

Chemical Laboratory (add.), West Conshohocken, Pa., \$4,000. Architect, private plans. Owners, Cooper Creek Chemical Co., West Conshohocken, Pa. Hollow tile, 1 story, 36x28 feet, slag roof, cement floors. Contract awarded to Pomeroy Const. Co., 1609 Ransstead street.

Stables and Garage (alt. and add.), Elkins

Park, Pa., \$5,000. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, Geo. W. Elkins, Elkins Park, Pa. Stone and plaster, 1 story, steam heating, electric work, cement floors, weatherstrips, tile work. Contract awarded to Wm. J. Gruhler Co., 219 E. High street, Germantown.

Factory (add.), Chester, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch sts., Philadelphia. Owner, Geo. H. Bonner, Chester, Pa. Brick, 1 story addition, slag roof, electric light, mill work. Contract awarded to Barelay White & Co., 1713 Sansom street.

Bridge, south of Ringtown, Pa. Architect, S. T. Wagner, Reading Railway, Philadelphia. Owners, Phila. & Reading Railway, Reading Terminal, Philadelphia. Steel and reinforced concrete, single span, 186 feet long, waterproofing. Contract awarded to P. J. Campion, Mahanoy City, Pa.

Residence, near Cynwyd, Pa., \$15,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, John A. Lafore, Twenty-fifth and Locust streets, Philadelphia. Stone, 2½ stories, 102x26 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to Charles C. Pace, Merion, Pa.

Garage, Wawa, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, George Wood, Wawa, Pa. Stone, 1½ stories, 37x100 feet, slate roof, cement and pine floors, metal lath, dampproofing, metal window guards, hollow tile, weather strips (heating, plumbing and electric work, gas storage system reserved). Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

Bridge, No. 42, south of Modena, Chester County, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railway Co., Reading Terminal. Steel, concrete and timber, 167 feet long, mastic asphalt paving. Contract awarded to P. McManus, Inc., Commercial Trust Building, Philadelphia.

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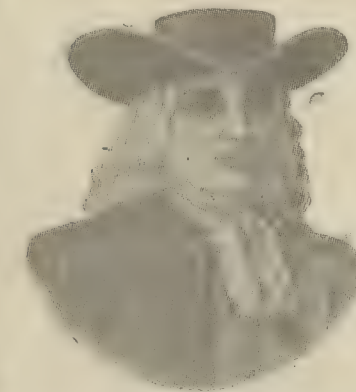
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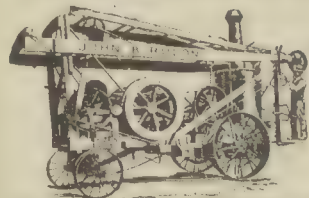
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NEW JERSEY Construction News

Post Office, East Orange, N. J. Architect, Jas. A. Wetmore, Washington, D. C. Owners, U. S. Govt., Treasury Dept., Washington, D. C. Brick, stone and terra cotta, 1 story, 174x82 feet, tile roof, pine or fir floors, metal lath, dampproofing, ventilators, safety treads, tile and marble work, hollow tile, weatherstrip, terrazzo work (mechanical equipment separate bids) Owners have received bids.

Residence (alt.), Stable and Garage, Perkins lane, Beverly, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Mrs. Fred W. Hoey, on premises. Frame, 2 stories, 25x30 feet, shingle roof, electric lighting, cement floors, and general alterations to residence. Plans completed. Architect has received bids.

Bungalow, Riverton, N. J. Architects, Craftsman Bungalow Co., Empire Building, Seattle, Wash. Owner, Robert Robertson, Riverton, N. J. Frame and plaster, 1½ stories, 32x42 feet, shingle roof, hot water heating, oak and pine floors, electric lighting, metal lath, tile work, cabinet work. Owners have received bids.

Y. M. C. A. Building (alts.), Stockton street, Trenton, N. J., \$25,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton, N. J. Owners, Young Men's Hebrew Association, Trenton, N. J. Consists of general alterations to club house, new gymnasium, meeting room, club rooms, ballroom, ladies' reception room, safety treads, tile and marble work. Preliminary plans in progress.

Dwellings, 64 to 72 South Thirtieth street, Camden, N. J. Architect, private plans. Owner, Herman Odlen, Camden, N. J. Brick, 2 stories, 14x42 feet, slag roof, hot air heating, gas lighting. Owner sub-letting all contracts.

Garage, rear of 213 North Twenty-eighth street, Camden, N. J. Architect, private plans.

Owner, Frederick Jones, on premises. Frame, 1 story, 18x16 feet, ruberoid roof, electric lighting. Owner sub-letting all contracts.

Residences (8), 1250 to 1264 Langhorn avenue. Architect, private plans. Owners, Camden Building Co., Haddon avenue and Liberty streets. Brick, 2 stories, 15x48 feet and 22x40 feet, slag roof, hot air heating, gas lighting. Owners sub-letting all contracts.

Residence (alt. and add.), 40 Prospect st., Trenton, \$4,000. Architects, W. W. Slack & Son, American Mechanics Building, Trenton. Owner, Jas V. Oliphant, 40 Prospect street, Trenton, N. J. Consists of interior alterations, addition 2 stories, 20x29 feet, tin roof, vapor heating, wood floors, electric light. Architect have received bids.

Residences (2), Parkway avenue, Trenton, N. J., \$4,000. Architect, private plans. Owner, Samuel C. Kulp, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 14x32 feet, slate roof, hot air heating, gas lighting. Owner is sub-letting all contracts.

Reception Cottage (add.), Clinton, N. J., \$4,000. Architect, George S. Drew, Capitol Building, Trenton, N. J. Owners, State Reformatory Home, care of Miss May Caughey, secretary. Hollow tile, stucco and reinforced concrete, 1 story, 37x26 feet, slag roof, steam heating, electric lighting, cement floors, hollow tile partitions, metal sash, waterproofing, skylights. Plans in progress.

Psychopathic Building, Trenton, N. J., \$50,000. Architect, George S. Drew, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital, Trenton, N. J. Stone and concrete, 5 stories, 46x94 feet, slag and tile roof, steam heating, electric lighting, steel sash, elevator, ornamental iron work, composition floors. Plans about completed. Owners will advertise for bids about November 1st.

NEW JERSEY Contracts Awarded

Residence (alts), 132 Hanover street, Trenton, \$3,000. Architect, J. Osborne Hunt, 114 N. Montgomery avenue, Trenton, N. J. Owner, Wm. H. Yard, 132 Hanover street, Trenton, N. J. Addition to kitchen, 1 story, 8x20 feet, stone work, tin roof, hot water heating, electric lighting, wood floors. Contract awarded to Sam Wiley, 517 Monmouth street, Trenton, N. J.

Manufacturing Building, southeast corner Sixth and Viola streets, Camden, N. J. Architect, private plans. Owners, Camden Ice Co., on premises. Brick, 1 story, 20x100 feet, slag roof, electric lighting, cement floors. Contract awarded to Wilmont Dick, 49 North Twenty-fourth street, Camden, N. J.

Church, Pennsgrove, N. J., \$20,000. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owners, Rev. Chas. Dubell, Church of Our Merciful Saviour, Pennsgrove, N. J. Hollow tile, stone and terra cotta, 1½ stories, 92x38 feet, shingle roof, metal sash, cabinet work, tile and marble work (reinforced concrete floors reserved).

Contract awarded to Geo. W. Shaner & Sons, Palmyra, N. J.

Garage, 226 Arch street, Camden, N. J., \$7,000. Architect, private plans. Owners, Castor Bros., Fifth and Federal streets, Camden, N. J. Brick, 2 stories, 42x74 feet, slag roof, steam heating, wood and concrete floors, electric lighting, fire doors. Contract awarded to Mockett Const. Co., Sixth and Market streets, Camden, N. J.

Residences (4), Collingswood, N. J., \$12,000. Architects, Custer & Seltzer, Third and Market streets, Camden, N. J. Owner, Hillier Bircks, Collingswood, N. J. Frame and stucco, 2½ stories, 24x34 feet, shingle roof, hot water heating, electric lighting, wood floors, metal lath. Contract awarded to F. A. Sanders, Collingswood, N. J.

Garage, Bank street, Trenton, N. J., \$5,000. Architect, private plans. Owner, Catherine Murphy, 421 Emery avenue, Trenton, N. J. Brick, 1 story, 50x65 feet, slag roof, steam heating, cement floors, electric lighting. Contract awarded to Joseph Dragan, 300 Berwyn avenue, Trenton, N. J.

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Store and Offices, North Broad street, Trenton, N. J., \$20,000. Architect, private plans. Owner, Catherine J. Wilson, Trenton, N. J. Brick, 2 stories, 45x65 feet, terra cotta roof, steam heating, electric lighting, hardwood and tile floors. Contract awarded to Scott & Day, 114 North Montgomery street, Trenton.

Residence, Sanhican Drive, Trenton, N. J., \$3,000. Architect, private plans. Owner, L. C. Case, Jr., 928 Berkley avenue, Trenton, N. J. Frame, 2 stories, 24x32 feet, slate roof, hot water heating, electric lighting, tile and hardwood floors. Contract awarded to Ed. La Rue, 53 South Hermitage street, Trenton, N. J.

Factory Building, Muirhead avenue, Trenton, N. J., \$10,000. Architect, private plans. Owners, The Luzerne Rubber Co., Muirhead avenue, Trenton, N. J. Cement blocks and steel, 2 stories, 52x126 feet, slag roof, steam heating, electric lighting. Contract awarded to James Read, 148 East Washington street, Trenton, N. J.

Broidge, No. 7, south of Hilltop, on Gloucester Branch, N. J. Architect, private plans. Owners, Atlantic City Railroad Co., care of P. & R. R. Co., Reading Terminal. Concrete and steel. Contract awarded to Armstrong & Latta, Land Title Building, Philadelphia.

feet, shingle roof, electric lighting. Contract awarded to Wm. J. Schwab, Catonsville, Md.

Dwellings (6), 1011-21 Whitelock street, Baltimore, Md., \$10,000. Architect, private plans. Owner, T. Milton Jones, Equitable Building, Baltimore. Brick, 2 stories, 12x50 feet, hot air heating. Owner will take sub-bids on all lines.

Rest Room, Monument street and Rutland avenue, Baltimore, Md., \$8,000. Architect, Joseph Evans Sperry, Calvert Building, Baltimore, Md. Owners, Johns Hopkins Hospital, on premises. Brick, 1 story, 21x35 feet, tile work, electric lighting, modern plumbing. Contract awarded to Edward Brady & Son, 1109 Cathedral street, Baltimore.

MARYLAND

Construction News

Farm Building and Residence (alts.), Singery, Md. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick and stucco, 2 stories, slate roof, hardwood floors (heating and lighting reserved), metal lath, cabinet work, tile work. Plans in progress.

Building (alt.), southeast corner Center and Holliday streets, Baltimore. Architect, Wm. F. Stone, Jr., 218 East Lexington street, Baltimore. Owner, Wm. S. Thomas, 211 North Calvert street, Baltimore. Consists of general alterations, concrete floor, iron and steel reinforcements, brick work (plumbing, electric work, painting and heating reserved), rolling door. Architect taking bids, due November 2nd. Ames & O'Brien, 218 East Lexington street; Consolidated Eng. Co., Calvert Building; Home Co., Equitable Building; Cox Bros., 22 Clay street; B. F. Bennett Bldg. Co., 123 South Howard street, all of Baltimore, are figuring.

Sea Wall, at Naval Academy, Annapolis, Md. Engineer, private plans. Owners, Bureau of Yards and Docks, F. R. Harris, Chief of Bureau, New York avenue and Seventeenth street, Washington, D. C. Reinforced concrete, wood piles, 1170 feet long. Owners will take bids, due November 27th.

Factory (alts. and add.), Kingsville, Md., \$10,000. Architect, Thomas B. Owings, 1347 North Charles street, Baltimore. Owner, J. C. Taliaferro, care of Continental Can Co., Baltimore, Md. Frame, 2½ stories. Plans in progress. Too early for details.

Dwellings (9), Twenty-seventh and Barclay streets, Baltimore, \$1,500 each. Architects, Callis & Callis, 2057 Kennedy avenue, Baltimore. Owner, Richard Von Hohenhoff, 300 East North avenue, Baltimore. Brick, 2 stories, 14x40 feet, tin or slag roof. Owner will take sub-bids on all lines.

Residence, Park Heights avenue, Baltimore, Md., \$7,000. Architect, J. Raymond Gerwig, 1811 Ashburton street, Baltimore. Owner's

name withheld. Brick, 2½ stories, 34x36 feet, slate roof, electric lighting. Luther E. Gerwig, 2238 West North avenue, will take sub-bids on all lines.

Residence, Guilford, Md. Architect, E. L. Palmer, Munsey Building, Baltimore. Owner, Albert Schauman, 1509 Edmondson avenue, Baltimore. Brick and stucco, 2½ stories, tile roof, hot water heating, electric lighting, plumbing, tile work, hardwood floors. Plans in progress.

Residence, Guilford, Md., \$15,000. Architect, E. L. Palmer, Munsey Building, Baltimore. Owner, H. F. Westheimer, 124 South street, Baltimore. Stucco and frame, 2½ stories, slate roof, electric light, tile bath. Plans in progress.

Residence, Greenway, Guilford, Md., \$20,000. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owner, Everett Gibbs, 717 South Wolfe street, Baltimore. Brick, 2½ stories, tile or slate roof, heating not decided, electric lighting. Plans in progress.

Engine House No. 2, Engine House (add.) and Generator House, Sparrows Point, Md. Architect, private plans. Owners, Bethlehem Steel Co., care of Maryland Steel Plant, Sparrows Point. Brick, steel and reinforced concrete, 1 story, 374x94 feet, 176x94 feet and 111x594 feet, reinforced concrete and slag roofs, reinforced concrete and tile floors, metal sash, waterproofing, steel doors, glazed tile, radial brick chimney. Owners taking bids, due November 10th. F. W. Mark Const. Co., Finance Building, Philadelphia, are figuring.

Factory, Highlandtown, Md. Architect, Thomas B. Owings, 347 North Charles street, Baltimore. Owner, J. C. Taliaferro, Keyser Building, Baltimore. Brick, fireproof, 3 stories, 100x350 feet, mezzanine floors, slag roof, steam heating, electric lighting, concrete floors. Plans completed. Cowan Building Co., 106 West Madison street, Baltimore, will take sub-bids on all lines.

Miscellaneous Construction News

School (State Normal Training), Potsdam, N. Y. Architect, Lewis F. Pilcher, Albany, N. Y. Owners, State of N. Y., care Dr. Thos. E. Finegan, Deputy Com. of Education, Education Building, Albany, N. Y. Brick, stone, hollow tile, and terra cotta, 4 stories, 222x63 feet and 103x61 feet, slate and slag roof, asphalt linoleum and maple floors, metal lath, dampproofing and waterproofing, fire doors, cabinet work, dumb-waiters, terrazzo work, tile and marble work (heating, plumbing, electric work and elevators separate bids). Owners have received bids.

Factory, Highlandtown, Baltimore County, Md. Architect, Otto G. Simonson, Maryland Casualty Tower, Baltimore. Owners, Crown Cork and Seal Co., Baltimore, Md. Brick, steel, reinforced concrete and terra cotta, 5 and 6 stories, 39x362 feet, wing 51x152 feet, slag, tile and corrugated iron roof, cement floors, metal sash, waterproofing, fire doors, waterproofing, safety teads, tile and marble work, rolling steel doors (mechanical equipment separate bids). Architect has received bids.

Freight House (add.), Youngstown, Ohio. Architect, M. A. Long, Baltimore, Md. Owners, B. & O. R.R. Co., care R. N. Bogion, C. E., Baltimore, Md. Brick, hollow tile and plaster, 35x300 feet, composition roof, cement and maple floors (rolling steel doors and elevator work reserved). Owners taking bids, due November 6th. Roydhouse-Arey Co., 112 North Broad street, are figuring.

Residence (alt. and add.), Tobins, Md. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Geo. S. Jackson, Tobins, Md. Frame, 2½ stories, shingle roof. Plans in progress.

Hotel (add.), 1120 Front street, Wilmington, Del., \$3,500. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Fahey Bros., 1120 Front street, Wilmington, Del. Brick and stone and reinforced concrete, 1 story and basement, 17x60 feet, steam heating and electric lighting, extension, tile and wood floors, metal lath, dampproofing, tile and marble work, cabinet work, terrazzo work. Architect taking bids, due November 2nd. Pyle & Stannard, Joyce & Kerrigan and C. J. Dougherty, 2515 West Eighteenth street, all of Wilmington, are figuring.

Armory, Newark, Del., \$20,000. Architect, Leon Wilde Crawford, Equitable Building, Wilmington, Del. Owners, State Armory Board, Dover, Del. Brick and cut stone, 2 stories, 60x100 feet, slag roof, hot water heating, electric lighting, concrete floors. Plans about completed. Architect will be ready for bids in one week.

Church, Pennsylvania avenue and Rodney

MARYLAND

Contracts Awarded

Paper Box Factory (add.), 721-29 East Fort avenue, Baltimore. Architect, Charles M. Anderson, 324 North Charles street, Baltimore. Owners, Columbia Paper Box Co., on premises. Brick, 2 stories, 40x54 feet, slag roof, electric lighting, pine floor, metal ceiling. Contract

awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Residence, Ten Hills, Md. Architect, Herbert G. Jory, Munsey Building, Baltimore. Owner, Nicholas Gardner, 2632 Maryland avenue, Baltimore. Frame, 2½ stories, 30x50

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1215 Filbert Street

Philadelphia

street, Wilmington, Del., \$30,000. Architect, E. Canby May, Dupont Building, Wilmington, Del. Owners, Westminster Presbyterian Church, Wilmington, Del. Stone, 1 story, slate roof. Plans in progress.

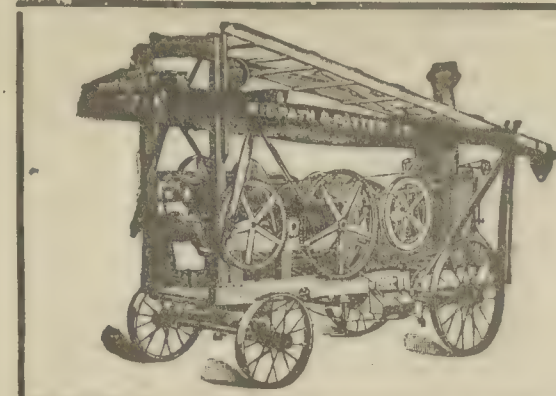
Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, G. Badehoff, Wilmington, Del. Hollow tile and stucco, 2½ stories, 40x40 feet, shingle roof, steam heating, electric lighting, hardwood floors, hollow tile. Architects have received bids.

Miscellaneous Contracts Awarded

Factory and Office, Wilmington, Del., \$57,000. Architect, John J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Wilmington, Del. Brick and steel, 6 stories, 195x40 feet, slag roof, steam heating, electric lighting, maple floors, (10) fire doors, sprinkler system, elevators, iron stairs, metal sash and lath. Contract awarded to Joyce & Kerrigan, Wilmington, Del.

Factory, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owners, Electric Hose and Rubber Co., Wilmington, Del. Brick, 1 story, 30x210 feet, composition roof, electric lighting, metal lath, metal sash, elevator, fire doors. Contract awarded to J. E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Residence (alt. and add.), 1005 Broome



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587 Bourse Building

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street, Wilmington, Del., \$5,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, William G. Coxe, Wilmington, Del. Brick, 3 stories, 16x40 feet, slate roof, hot water heating, combination lighting, hardwood floors, tile work. Contract awarded to Pyle & Stannard, Wilmington, Del.

Residence, Seventeenth street, Wilmington, Del. Architect, Edw. C. May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick and stucco, 2½ stories, 45x30

feet, slate roof, hot water heating; wing, 20x16 feet, electric lighting, hardwood floors. Contract awarded to C. H. Tindall & Son, Wilmington, Del.

Garage, Wilmington, Del. Architect, E. Canby May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick, 2 stories, 22x24 feet, slate roof, heating extension, concrete floors, electric lighting. Contract awarded to W. H. May, 1014 Rodney street, Wilmington, Del.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Dwellings (2), 4307-09 North Eighth street, \$4,000. Edw. Miller (O and C), 4303 North Ninth street. Brick, 2 stories, 15x26 feet, slag roof, hot water heating.

Garage, east side Vandyke street, north of Unruh street. Wm. S. White (O), Unruh and Torresdale avenue. Louis Laib (C), 6638 Torresdale avenue. Brick, 1 story, 38x16 feet, slag roof.

Storage, Cottman and Milnor streets, \$10,000. Delaney Co. (O), Cottman street and Delaware river. B. Cunningham (C), 4326 Paul street. Brick, 2 stories, 66x66 feet, slag roof.

Dwellings (8), 5123-26-27-21 Jackson st. and 5720-22-24-21 Glenoch street, \$9,800. Wm. Yelland (O and C), 4261 Penn street. Brick, 2 stories, 14x25 feet, slag roof, hot air heating.

Garage, Fifty-second and Delancey streets. Wm. L. Starlifer (O and C), 5251 Rodman street. Brick, 1 story, 16x20 feet, slag roof.

Garage, 500 East Johnson street, \$400. H. Sulbert (O), on premises. J. D. Fisher (C), 5426 Thompson street. Brick, 1 story, 16x24 feet, slag roof.

Garage, 537 South Fifty-fifth street, \$300. R. E. Magel (O), on premises. J. D. Fisher (C), 5424 Thompson street. Brick, 1 story, 17x19 feet, slag roof.

Garage, 421 W. Upsal street, \$900. A. Perpigman (O), on premises. Edward B. McCall (C), Sixty-fifth and Park avenue. Brick, 1 story, 16x18 feet, slate roof.

Garage, Chew and Sedgwick street, near Fifty-fourth and Sedgwick streets, \$1,000. A. S. Tourisman (O and C), 7014 Boyer street. Stone, 1 story, 19x25 feet, slate roof.

Storage building, Manayunk canal, \$2,500. Chas. McDowell (O), Main street, Manayunk. Wm. H. Eddleman Sons Co. (C), 453 Green lane. Brick, 2 stories, 34x34 feet, slag roof.

Garage, Fifty-second and Wyalusing avenue, \$12,000. J. Egnal (O), 4146 Leidy ave. J. Egnal (C), 4146 Leidy avenue. Brick, 1 story, 60x150 feet.

Garage, 5320 Overbrook avenue, \$940. Bruce Byall (O), on premises. J. Y. Rippin (C), Fifty-fourth and Wynnefield avenue. Stone, 1 story, 20x15 feet, shingle roof.

Garage, 5115 North Broad street, \$600. R. S. Henderson (O), 5116 North Broad street. N. S. Kiffer (C), 1421 Arch street. Brick, 1 story, 12x18 feet, slag roof.

Dwellings (8), west side of Beachwood st., north of Chelton avenue, \$16,000. Wm. O. Mahon (O and C), 6718 North Broad street. Brick, 2 stories, 14x28 feet, slag roof, hot water heating.

Dwellings (9), south side Cora street, west of Twentieth street, \$18,200. Chas. Day (O), 223 South Fifty-second street. O. W. Van Kirk (C), 5522 Chew street. Brick, 2 stories, 15x25 feet, slag roof, hot water heating.

Fan house, Seventh and Lehigh avenue, \$1,100. Hardwick & Magee (O), Seventh and Lehigh avenue. H. Rea Co. (C), 1027 Wood street. Brick, 1 story, 14x22 feet, slag roof.

Dwelling, Mascher and Twentieth streets, \$4,000. Wm. Ashler (O and C), Mascher and Olney streets. Brick, 2 stories, 16x45 feet, slag roof, hot water heating.

Garage, Mascher and Twentieth streets, \$3,000. Wm. Ashler (O and C), Mascher and Olney avenue. Brick, 1 story, 20x86 feet, slag roof, cement floors.

Warehouse, 969-75 North Second street, \$150,000. Bell Co. (O), 953 North Hancock street. Harry Gill, Jr. (C), 2515 Germantown avenue. Brick, 2 stories, 80x80 feet, slag roof, steam heating.

Garage, Germantown avenue and Venango street. Mrs. Jennie Effurges (O), on premises. Ketcham Meade (C), 1024 Brown street. Brick, 1 story, 27x130 feet.

Garage, Sixty-sixth and Eleventh streets, \$890. Mr. Bassett (O), Oak Lane, Pa. Thos. A. Quinn (C), Ogontz, Pa. Stone, 1 story, 18x22 feet, slate roof.

Garage, 1049 Wynnewood avenue, \$480. Warren Moss (O), Fifty-seventh and Balti-

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more avenue. J. Franklin Moss (C), Fifty-eighth and Germantown avenue. Brick, 1 story, 18x21 feet, slate roof.

Dwelling, south side of W. Horten street, \$2,500. Jos. Bromley (O), 6820 Mower st. Seeds & Durham (C). Stone, 2 stories, 23x23 feet, slate roof.

Garage, 1503 Fisher lane, \$500. C. W. Burt (O), 524 Race street. Frank King (C), Fifteenth and Lindley avenue. Brick, 1 story, 6x20 feet, asbestos shingle roof.

Garage, 1526 Lindley avenue, \$500. E. W. Niely (O), Twenty-ninth and Garden streets. Frank King (C), Fifteenth and Lindley avenue. Brick, 1 story, 12x19 feet, asbestos shingle roof.

E. Lloyd, Jr. (O and C), on premises. Frame, Garage, 815 Sixty-sixth avenue, \$600. E. 1 story, 12x18 feet, slate roof.

Garage, Forty-third and Woodland avenue, \$300. W. S. P. Shields (O), Witherspoon Building. Standard Const. Co. (C), Drexel Building. Brick, 1 story, 100x200 feet.

Garage, Fifteenth and Mt. Vernon street, \$1,300. Albert Moose (O), on premises. S. J. Rea & Son (C), 1608 Fairmount avenue. Brick, 2 stories, 16x20 feet, slag roof.

Stable, 3045 Clearfield street, \$4,000. Andrew Cautley (D and C), 3045 Clearfield st. Brick, 1 story, 48x90 feet; side, brick, 1 story, 17x24 feet.

Dwellings (14), east side American, north of Olney avenue. Carl Mayers (O and C), 232 west Olney avenue. Brick, 2 stories, 14x29 feet, slag roof, hot water heating.

Power house, Wilde and Malloy streets, \$7,500. Fred Pearson Co. (O), Leverington and Wilde streets. A. L. Fretz & Son (C), 1213 Filbert street. Concrete, 1 story, 37x100 slag roof, steel sash.

Dwelling, 4434 Silverwood street, \$2,200. Frank A. Desegavski (O), 4436 Silverwood street. Elmer Cuthbertson (C), 334 Roxborough avenue. Brick, 2 stories, 16x35 feet, slag roof, hot air heating.

Garage, Cotton and Fleming streets, \$485. M. J. Janson (O), Cotton and Fleming streets. Elmer Cuthbertson (C), 334 Roxborough st. Brick, 1 story, 12x18 feet, slag roof.

Dwellings (13), Schiller street, from Thompson to Edgemont streets, \$2,600. Henry Lazar (O), Seventy-seventh and Brewster avenue. Philip Yaskin (C). Brick, 2 stories, 14x20 feet, slag roof, hot air heating.

Dwellings (16), Smedley street, north of Pike street, \$41,800. Frank Williams 1838 W. Venango avenue. Brick, 2 stories, 15x28 feet, slag roof, hot water heating.

Stable, 4320 Orianna avenue, \$760. F. Mastanna (O), 4319 North Fourth street. Geo. Jeignfuss (C). 2809 North Seventh street. Brick, 1 story, 16x38 feet, slag roof.

Hospital, 4035 Parrish street, \$33,000. West Philadelphia Hospital for Women (O), on premises. E. L. Hoover (C), 1023 Cherry street. Three-story addition, brick, 93x47 feet, concrete roof.

Store, 1305 Vine street, \$3,500. H. S. Mark

(O), 1707 Spring Garden street. Lam Building Co. (C), 1001 Wood street. Brick addition, 1 story, 15x23 feet, skylight.

Dwelling, 1212 Wilder street, \$300. Frank Pastore (O), Hunting Valley. Antonio Fan-nighue (C), 1169 South Twelfth street. Rear addition, 2 stories, 9x9 feet, brick, slag roof.

Dwelling, 523 Tasker street, \$350. Dr. Glazer (O), on premises. Wm. Ariff (C), 1510 East Moyamensing avenue. Rear addition, brick, 1 story, 14x9 feet, slag roof.

Dwelling, 1534 South Isenminger street, \$300. Giuseppe Zulle (O), on premises. D'Ascenzo Lamarama (C), 1124 Latona street. Brick, rear, 2 stories, 12x11 feet, slag roof.

Warehouse, 429-31 North Sixth street, \$4,000. Peter Hecht Glass Co. (O and C), 58-60-62 North Fourth street. Rear addition, brick, 1 story, 27x60 feet, slag roof.

Mill, east side of Third street, north of Cumberland, \$400. Columbia Carpet Mill (O), Third and Cumberland streets. John Schuster (C), 3552 North Fifteenth street. Repairs.

Dwelling, 33 Harvey street. Margaret Thompson (O), 29 Harvey street. David Jagers (C), Philadelphia. Brick addition, 2 stories, 12x13 feet, slag roof.

Dwelling 1017 Ellsworth street, \$400. Q. Basile (O and C), 1017 Ellsworth street. Brick addition, rear, 2 stories, 14x7 feet.

Store, 5232 Market street, \$500. Robert Gilmore (O), 5400 Market street. J. D. Fisher (C), 5424 Thompson street. New flush bulks, repairs.

Storage, Ninth and Cumberland streets, \$1,500. Breyer's Ice Cream Co. (O), on premises. Wm. F. Koelle (C), Tenth and Oxford streets. Alterations.

Wagon Shed, 2018 Orthodox street, \$600. John Briggs & Bro. (O), 2022 Orthodox st. C. C. Carr (C), 1654 Lyre street. Brick, 1 story, 31x32 feet, slag roof.

Supply House, northeast Boulevard, west of Shedaker avenue, \$1,500. A. C. Schoen (O and C), 237 West Wyoming avenue. Brick addition, 1 story, 14x16 feet.

Stable, Tacony and Lewis streets, Frankford, \$2,000. John Illingsworth (O and C), Lewis and Tacony streets. Frame addition, 1 story, 16x34 feet, rubberoid roofing.

Store, Twenty-sixth and Parrish streets, \$500. Otto Krause (O), on premises. W. H. Rensschlager (C), 2631 Girard avenue. Hot water heating system.

Forge Shop, east side of Second, south of Duncannon street, \$5,600. Germantown Tool Works (O), Second and Duncannon streets. D. W. O'Dea (C), 5227 North Fifth. Brick addition, 1 story, 50x98 feet.

Dwelling, 12 West Seymour street, \$550. Catherine Devine (O), on premises. L. D. Stites (C), 126 Herman street. Brick addition, 1 story, 13x16 feet, tin roof.

Apartment, Nineteenth and Wallace streets, \$1,090. John A. Lucey (O), 1111 North Sixty-third street. R. M. McClintock (C), 1937 Ridge avenue. Hot water heating.

Storage, Margaret street and Trenton avenue, \$600. Schwartz Wheel Co. (O and C), on premises. 1 story, open, 48x45 feet.

Bakery, 703 New Market street, \$600. P. A. Becker (O), 1514 North Nineteenth street. Louis Cullen (C), 610 North Second street. Repairs.

Office, Tulphocken street, east of Manton street, \$800. Paul Enyder Co. (O and C), 903 Bailey Building. One-story addition, hollow tile, 20x30 feet, asbestos roof.

Store, 2108 North Twenty-ninth street, \$450. Lena Zielgue (O), 2631 West York street. S. F. Brown (C), 2421 North Twenty-seventh street. Double bulks, repairs.

Hotel, Thirteenth and Filbert streets, \$2,000. Hotel Vendig Co. (O), on premises. Doyle & Co. (C), 1519 Sansom street. Repairs.

Store, 4 South Delaware avenue, \$400. Montague Co. (O), Philadelphia. Harry Rust (C), 19 South Eighth street. Flush bulks.

Store and Dwelling, Jackson and Juniper streets, \$600. Mr. Desmond (O), on premises. A. Krause (C), 841 Jackson street. Flush bulks and repairs.

Store and dwelling, 2500 North Twenty-ninth street, \$800. Harry Schweckle (O), on premises. Hugh Hazlett (C), 1701 North Twentieth street. Brick addition, 1 story, 6x16 feet, flush bulks.

Drug Manufacturing, 1118 Washington avenue, \$3,700. John Wyeth & Bro. (O), on premises. Albert Zellfelder (C), Broad and Walnut streets. Brick addition, 1 story, 27x63 feet, slag roof.

Dwelling, 2147 North Fifth street, \$900. Emma P. Loesch (O), on premises. Frank K. Stahl (C), 2713 North Park avenue. Brick addition, 2 stories, 14x15 feet, slag roof.

Store and Dwelling, 219 South Fifty-second street, \$1,000. Sol. Hopkins (O and C), 1330 Arch street. Repairs to third floor.

Store and Dwelling, 1315-17 Poplar street, \$1,375. German American Trust Co. (O), Broad and Arch streets. Frank K. Stahl (C), 2713 North Park avenue. Repairs and alterations.

Garage, 2349-51 North Marshall street, \$700. Mutual Insurance Co. of Germantown (O), Philadelphia. Frank Enghert (C), 1608 N. Carlisle street. Repair fire damage.

Bank, Frankford and Girard avenues, \$1,400. Kensington National Bank (O), on premises. John Stall (C), 311 East Girard avenue. Steam heating system.

Mission Building, Fansham and Rising Sun lane, \$500. Ira Evans Hicks (O), Brown's Mills, N. J. Wesley Hicks (C), Brown's Mills, N. J. Frame, 1 story, 60x120 feet.

Scale House, Twentieth and Walnut streets, \$850. Philadelphia Union Stock Yards (O), Thirty-sixth and Gray's Ferry. F. W. Van Loon (C), Denckla Building. One-story addition, iron, 20x5 feet.

Store, 806-8 Vine street, \$2,500. Pennsylvania Trust Co. (O), 517 Chestnut street. John Duncan (C), 920 Walnut street. Repair fire damage.

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Machine Shop, 140 North Juniper street, \$2,700. P. J. Collins (O), Lansdowne, Pa. Smith-Hardican (C), 1606 Cherry street. Brick, 1 story, 18x108 feet.

Warehouse, Twelfth and Noble streets, \$3,000. Richard DeCou (O), on premises. S. W. Levis (C), 1951 North Twenty-fourth street. Repair fire damage.

Engine Room, 5121 Frankford avenue, \$360. Charles A. Disney (O), on premises. C. C. Carn (C), 1664 Dyre street. Brick, 1 story, 16x18 feet, slag roof.

Dwelling, Penn street, 100 feet south of Seller street, \$800. Robert Hubbs (O), on premises. Wilson Milnor (C), 4634 Penn street. Brick, 1 story, 20x42 feet, slag roof.

Store, 1233 Vine street, \$400. Benj. Alexander (O), Hale Building. Frank Lucci (C), 1351 Christian street. Interior alterations, slag roof.

Store and Dwelling, 1362 Unity street, \$400. Joseph Pappada (O and C), on premises. Repairs.

Dwelling, 4843 Aspen street, \$1,000. Samuel Snulk (O), on premises. Bush Hill Cont. Co. (C), 2208 Brown street. Rear addition, 2 stories, 16x12 feet, slag roof.

Store and Dwelling, 1509 Fairmount avenue. F. Ehret (O), on premises. C. E. Mandag & Co. (C), 1320 Olive street. Hot water heating system.

Dwelling, 229 West Upsal street, \$800. W. S. Pilling (O), on premises. Stokes Bros. (C), 6723 Musgrave street. Repairs, tile roof.

Garage, 1726 North Broad street, \$4,000. Kahn & Greenbaugh (O), 309 Morris Building. B. Bornstein (C), 1510 West Franklin street. Repair skylights and interior alterations.

Alterations and Additions

Office, north side of Dupont street, west of Silverwood street, \$500. Stafford & Co. (O), Kraus avenue, Manayunk. Wm. Eddeman & Sons (C), 453 Green lane. Brick addition, 1 story, 9x23 feet.

Saloon, Second street pike and Taney st., \$3,200. P. W. Sloan (O), on premises. Chas. Fleischman (C), Rhawn street, Fox Chase. Alterations and repairs.

Residence, 4309 Spruce street, \$800. E. K. Wessels (O), on premises. The Slakin Heating Co. (C), 1827 Filbert street. Warm air heating.

Store and dwelling, 2016 Hunting Park avenue, \$600. Thomas MacDonald (O), on premises. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Interior alterations.

Dwelling, York road and Chelton avenue, \$750. Morris Roeder (O), Ridge avenue and Green lane. G. Stenile (C), 3443 Sunnyside avenue. Brick, 1 story, 6x10 feet, flush bulk.

Factory, 470-72 North Third street. John Dumond (O), on premises. Gallagher & Simon (C), 614 North Sixty-third street. Steam heating.

Storage Building, 4055-57 Lancaster avenue, \$7,00. W. J. McCosmack (O), 4057 Lancaster ave. Vanderberry Bros. (C), 5802 Pemberton street. Brick, 2 and 3 stories addition, 2x70 feet, slag roof.

Store, Broad and Melon streets, \$500. Roland Greenburg (O), Morris Building. B. Bernstein (C), 1510 North Franklin street. Repairs.

Church, Nathan street and Torresdale avenue, \$1,500. Orthodox M. E. Church (O), on premises. Robert Lederle (C), Witherspoon Building. General alterations.

Dwelling, 918 South Delhi street, \$500. Luigi Signorello (O and C), on premises.

Brick, 3 story rear addition, 16x13 feet, slag roof.

Tank supports, 2028 Amber street, \$600. Weimer Bros (O), on premises. Concrete Const. Co. (C), 1618 Thompson street. Tank supports.

Tank house, Tioga street, east of Earlam street, \$2,000. U. G. I. (O and C), Broad and Arch streets. Steel and frame, 1 story, 18x18 feet.

Store and dwelling, 2626 Germantown avenue. Mrs. Kramer (O), on premises. J. Y. Loux (C), 1121 Rising Sun lane. Flush bulks, 1 story addition, 14x3 feet.

Staloon and dwelling, 2446 E. Huntingdon avenue, \$1,190. John Letters (O), on premises. Wm. Koeller & Co. (C), Twenty-sixth and Oxford streets. Alterations.

Dwelling, 6161 Girard avenue, \$1,000. Jas. Bollen (O and C), on premises. Brick, 2 story addition, 68x24 feet, slag roof.

Store, 1106 Market street, \$600. Peesmont Cigar Co. (O), on premises. M. J. Evans & Co. (C), 1014 Ridge avenue. Flush bulk repairs.

Boiler, Thirty-fifth and Fairmount avenue, \$700. House of Good Shepherd (O), on premises. Geo. Einwichter (C), 241 South Fifty-eighth street. Boiler setting.

Store, 2910 Ridge avenue, \$925. Ebbey Hendsex (O), on premises. W. K. Ealleyer (C), 2009 North Ninth street. Flush bulk, kitchen, 10x10 feet, brick.

Dwelling, 7038 Paschall avenue, \$600. John Kelley (O), on premises. George Roe (C), 6949 Saybrook avenue. Brick, 1 story addition, 16x14.

Slaughter house, 3723 Old York road, \$2,000. G. Schaal (O and C), 3723 Old York road. Brick, 1 story, 16x65 feet, slag roof.

Dwelling, 502 North Fourth street, \$525. Al Finberg (O), 460 North Fourth street. M. Silverman (C), 308 North Armerican st. Repairs and alterations.

Fire house, 4214 Ridge avenue, \$23,000. City of Phila. (C), City Hall. E. F. Fander (C), 1114 Land Title Building.. Brick, 3 story side addition, 3x25 feet, concrete floors, alterations.

Dwelling, Fifteenth and Mt Vernon streets. Albert Moore (O), on premises. S. J. Reas & Son (C), 1608 Fairmount avenue. Repairs, bulk windows.

Store, 920 Market street, \$775. Berg Bros. (O), Tenth and Market streets. Frank Stewart, 1619 Sansom street. Repairs.

Store and Dwelling, 719 North Union street, \$900. Wassen Haffner (O), 3915 Locust st. Universal Co. (C), 66 North Thirty-sixth st. New bulks, hot water heating, general repairs.

Store and dwelling, 1201 Moose street, \$500. Jacob Steinberg (O), 1203 Mifflin street. Louis Cohn (C), 316 Kimball street. Brick, 2 story rear addition, 12x13 feet, slag roof.

Storage house, Sixty-first and Lombard st., \$1,000. J. F. Tomax (O), 6035 Lombard st. A. Stermetz (C), Highland Park. Brick, 2 story addition, 31x20 feet, slag roof.

Store and dwelling, Fifteenth and Race streets, \$4,000. Lester Co. (O), Fifteenth and Race streets. Chas. H. Caspar (C), 925 Chestnut street. Repairs and alterations.

Dwelling, 6345 Overbrook avenue, \$1,400. F. L. Harding (O), on premises. M. M. Young (C), Overbrook, Pa. Brick, 2 story addition, 12x18 feet, slag roof.

Dwelling, 5869 Overbrook avenue, \$450. Arthur Peters (O), 5924 Woodbine street. M. M. Young (C), Overbrook, Pa. Repairs.

Store, 746 South Seventh street, \$500. Antonio Allarano (O and C), on premises. Repairs.

Store and dwelling, 4002 Poplar street,

\$2,000. David Cutler (O), 925 North Lawrence street. N. Wilson (C), 727 Reed street. Brick, 1 story rear addition, 18x32 feet.

Dwelling, 826 South Forty-ninth street, \$950. W. S. McInnes (O), 703 North American Building. Frederick Sabin (C), 237-39 Broad street. Hot water heating system.

Bridge, Marshall and Huntingdon streets, \$1,170. Hardwick & Magee (O), Seventh and Lehigh avenue. McFarland, Meade Co. (C), Forty-sixth and Woodland avenue. Bridge between two mills.

Residence, 2817 Jasper street, \$600. Chas. Maguire (O), 2817 Jasper street. C. J. Gilbert (C), 3347 Emerald street. Brick, 1 story addition, 11x10 feet, repairs.

Manufacturing Building, Seventeenth and Lehigh avenue, \$665. Keystone Screw Co. (O), on premises. Thos. McKreeceley, 4411 North Ninth street. Brick, 1 story addition, 16x24 feet, slag roof.

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TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 24, 1916.—Sealed proposals will be received at this office until 3 P. M. November 28, 1916, and then opened for remodeling the U. S. Post Office, Beaver Falls, Pa., in accordance with drawings Nos. 1-A and 2-A and specification, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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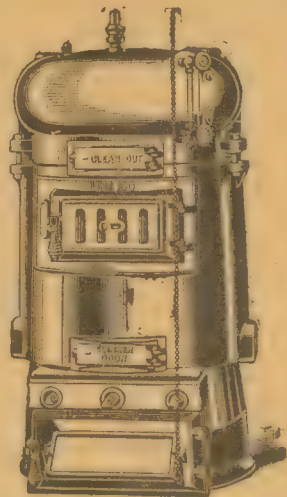
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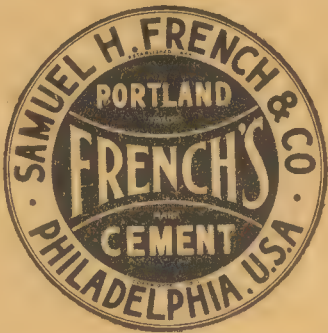
Vol. XXXI., No. 45.

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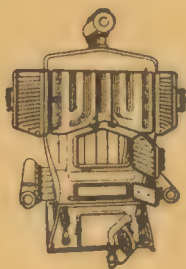
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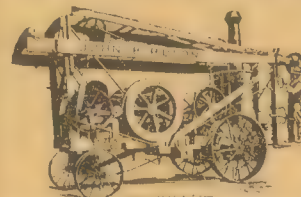
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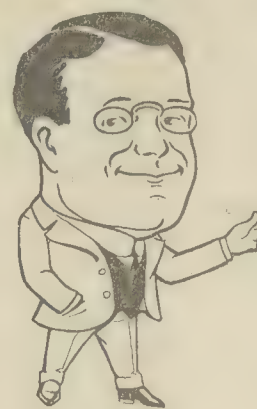
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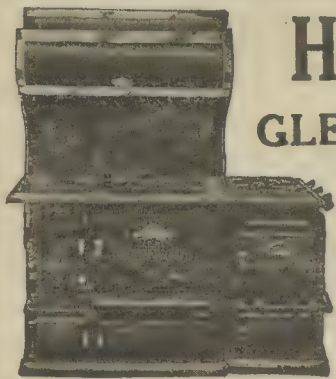
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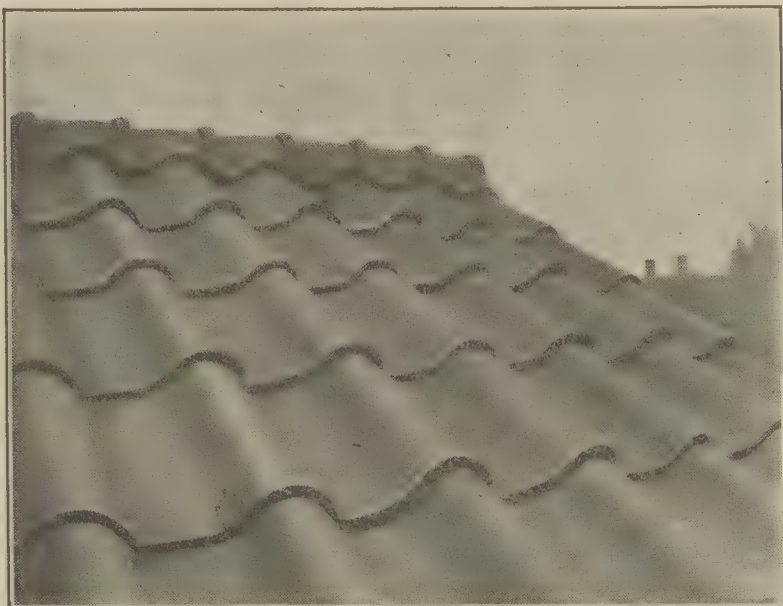
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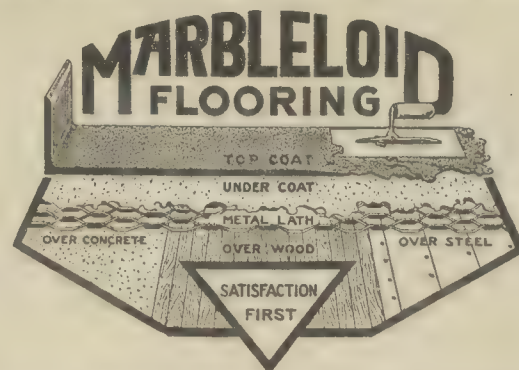
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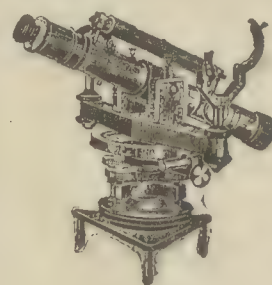
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 45

PHILADELPHIA
November 8, 1916



As The Editor Sees It



PLANS for doing away with the present ruinous system of open competitive bidding on building contracts, continue to be discussed by the trade. The latest suggestion in this line proceeds from William H. Sayward, secretary of the Master Builders' Association of Boston:

"The secretary's office has frequently been approached by public officials, who have been authorized to secure estimates for construction of public buildings, for advice in regard to the best method of securing estimates and award of contracts," says Mr. Sayward.

"The ground for this inquiry has been the natural desire of such authorities to secure bids from contractors qualified to perform the work in question. They have been impressed with the difficulties surrounding their duty in the premises by the fact that custom, and the law in most cases, requires the throwing open of opportunity to bid for such work to any one who wishes to submit a proposal, the consequent result being that after the bids are in the authorities are perplexed not only by the variation in the bidding, but by variation in the character and responsibility of the contractors submitted proposals."

* * *

IN response to a recent appeal of the character above referred to, the secretary has given an opinion in a letter, which is substantially as follows:

Referring to the matter in regard to which you have asked my opinion, viz., the securing of estimates for a school building for your city, I beg to offer the following suggestions:

The usual procedure of wide-open advertising for bids to the whole world of bidders, good, bad and indifferent, seems to me to invite difficulties that can be avoided.

When this procedure is followed, the persons in authority are invariably con-

fronted with a perplexing condition. Bids varying in amount are offered by concerns widely varying in responsibility, ability, character and experience, and determination as to award of a contract with these conflicting factors present, and which must be weighed, is unavoidably perplexing and subjects those who have to arrive at a decision to many doubts as to the wise and just course to pursue.

If they use their best judgment as they would if the work were their own, and award to a concern which is not the low bidder, they may be sure that severe criticism will be made of them because they are "spending the public money improperly."

On the other hand, if they award to the low bidder simply because his bid be low, and the work in execution is faulty in any respect, then they again receive condemnation for their lack of judgment."

* * *

TO my mind, the procedure should be different from this usual course, determining as the first issue the character, experience, reputation and responsibility of those who desire to bid as the basis upon which bids will be enteratined.

I advise, therefore, in all such cases, that the persons in authority issue a preliminary notice (public advertisement would probably be necessary) to the effect that estimates were about to be invited for the proposed building, and that those who wished to submit estimates (bids) must first file their names, together with statement of principal works of significance they had performed—name of those to whom they could refer as to their reputation for satisfactory execution of work, honesty and general ability, and a sworn statement of their financial standing.

From this list the authorities should

then select those from whom they would entertain bids, and in issuing invitations to these parties should state that to the lowest bidder of those thus invited he contract would be awarded if the appropriation available would permit.

It seems to me that this procedure is the only fair way to deal with public work, and, as far as is humanly possible, provides reasonable and proper defense against unfortunate results, so constantly presented under the commonly accepted methods adopted in inviting bids and awarding contracts."

* * *

THERE was a marked increase in building operations in this city according to the October report given out by William W. Gamble, statistician in the Bureau of Building Inspection. This shows that 85- permits were granted in the month drawing to a close for 1,307 operations, at a cost of \$4,040,515, as compared with 846 permits in the corresponding month of last year. The figures for September, 1916, were 745 permits for 1,153 operations, costing \$3,301,310.

The report for the first ten months of the present year as compared with that of the corresponding period of last year shows a decrease in operations of 3,933, but an increase in cost of \$2,557,092. The figures follow: First ten months, 1916, 13,322 operations, costing \$39,969,050; first ten months, 1915, 17,255 operations, cost, \$37,412,958.

Following is the official summary of the building work undertaken in October, 1916:

Character	Oper's.	Estimated Cost
Dwellings, 2 story.....	481	\$1,346,600
Dwellings, 3 story.....	60	331,050
Dwellings, frame	1	4,500
Stables	5	25,760
Manufactories	9	502,400
Workshops	19	110,550

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**BLUE
PRINTS**

Garages	91	173,605
Office buildings	4	152,400
Stores	4	33,650
Warehouses	1	188,100
Engine and boiler houses	1	7,500
Churches	1	35,000
Hotels	1	600,000
Miscellaneous buildings.	12	17,775
Additions	139	304,170
Alterations and repairs.	258	165,740
Miscellaneous work....	166	19,715
Fire Escapes.....	3	2,000
Miscellaneous	33	17,725
Signs	12	2,275
Totals	1,307	\$4,040,515

* * *

MR. CURTIS' *Public Ledger* is inclined to lay a great deal of the blame for confusion in bidding among contractors to the carelessness with which architects draw up the specifications governing important work.

"In these days of high prices of building materials every effort should be extended by the architects to assist the contractors," says the *Ledger*, "in getting down to rock-bottom prices. One way to accomplish this end is to eliminate the element of guesswork in making up estimates, and the best place to begin is the specifications. It is true that quite a few architects—and good ones, at that—are careless in the writing of their specifications, not so much due to lack of time spent on them or number of pages written as ignorance in the use of trade terms. This lack of knowledge usually results in the contractor taking a big chance, guided by the little knowledge he is able to glean from the verbose description of the article in question.

"It should be remembered that the specifications are for the contractors, and should be written in terms which he understands, and should not be a voluminous treatise which can only be interpreted by the writer. Every effort is put forth by the manufacturers of building materials to standardize their goods in such a way as to make specification writing easy for the architects. If the architect would only stop, look and listen for a minute, he would easily get acquainted with these trade terms, and, in addition to getting better bids, he would materially cut the size of his specifications by the elimination of unnecessary descriptions."

* * *

EFFORTS to limit, within niggardly proportions, the outlay of expenditure to be made upon the new Convention Hall will find little sympathy among Philadelphians who

want to see their native city take its place among the great metropolitan centers of the country. Apropos of the taxpayers' suit instituted *The Bulletin* remarks:

"There is no desire on the part of general public opinions for a niggardly policy in this matter. An adequate auditorium for public use is needed, and it goes without saying that such a building should be, not merely in size, but in architectural design and finish, a credit to the city—in its ornate as well as its utilitarian features commensurate with, and typical of, the city's ideals. Moreover it is to be borne in mind, in fair consideration of the proposition, that there has been a decided increase in the cost of building construction since the first action was taken in financing the enterprise.

The point of concern directly involved in this case, however, is in the legality of the action taken. The decision of the court is necessary that the way may be cleared of any possibility of future interruption. The money market has been tried and found favorable to the city's loan, and there need be no further hesitation because of lack of available funds. Provision is now fully made for the clearing of the Parkway, and it is time that the work on the Auditorium and on other municipal enterprises which are to adorn this avenue should be put under way."

* * *

THAT Philadelphia is ready to welcome a zoning system, fashioned, in some sense, after that recently put into effect in New York City, is demonstrated by the general approval with which the address of Lawson Purdy, vice-chairman of the Commission on Building District and Restriction of New York City, was greeted last week at the zoning conference called at the Hotel Adelphia.

Mr. Purdy told first of the municipal ordinance—an enabling act, virtually—which was necessary in his city before the commission was able to begin its practical work. He described, too, the difficulties, physical and personal, which were brought to bear, mostly from financial reasons, to thwart the work of the city planners.

He was questioned in detail on many of the points he brought up, and the interrogations indicated the deep interest and the practical thought that is being put into the work here in Philadelphia.

Two cases seeking to restrain the building, here, in residential localities, of public garages are now pending before court. The ground upon which the objection in each instance rests is that the garages proposed constitute a "nuisance."

It is contemplated to build one of these garages on Chestnut street, west of

Forty-fifth street, on a lot running through to Sansom street. Owners of properties on Sansom street have filed a petition in court alleging that such a building will constitute a public nuisance on account of the noises made by cars coming and going at all hours of the night and day, and they further allege that their properties will be seriously depreciated as investments on account of the proximity of the building.

The second suit was brought by property owners in the vicinity of Thirty-eighth and Chestnut streets, of whom Archbishop Prendergast is one, to prevent John A. Colahan, Jr., from building a large public garage on the lot at the southwest corner of Thirty-eighth and Chestnut streets, directly opposite St. James' Catholic Church. In this case also it is alleged by the complainants that the garage contemplated will be a nuisance and in violation of a clause in the deed under which the lot and most other lots in the vicinity were sold. This is one of the oldest restrictions in any deed to Philadelphia property, and was in common use at a time when neither garages nor moving picture theatres were foreseen as a development of modern life. This clause bars the use of the lot sold for all time as a site for a "carpenter shop, stable, bone-boiling or a skin-dressing establishment, or for any other building of offensive occupation." It has been frequently upheld in a recent case when it was sought to invoke it against the erection of a moving picture theater on the ground that such a structure was a building "for offensive occupation," the court ruled that the term "offensive" was to be construed in a general, not in a particular sense—in other words, that the building must be of such a character as to be generally "offensive," not offensive to a few persons who might reside or own property in the vicinity. The injunction asked for was accordingly refused, the Court holding that a moving picture theater, while it might be offensive to a few persons, could not be considered as generally offensive.

* * *

WHETHER the courts will so construe the word "offensive" as applied to a garage remains to be seen. The complainants, however, do not base their case alone on an alleged attempt to violate the restriction in the deed, but assert that the garage will prove a nuisance and will depreciate the value of their properties. In this contention some lawyers believe they have taken stronger ground, for it is conceivable how a large garage improperly conducted might easily become a nuisance and detrimental to surrounding property used for residence purposes.

EDITORIAL NOTES

An increase of \$8,000,000 in revenues on ninety-six railroads for September is reported in returns made to the Interstate Commerce Commission, according to a statement issued recently. These revenues were \$66,039,262, as compared with \$58,815,487 for September, 1915. For the three months ended with September the net revenues of these carriers amounted to \$190,781,641, as compared to \$160,550,366 for the similar period of 1915.

* * *

Charles Custis Harrison, who has been president of the Philadelphia Art Jury since it was founded, has sent his resignation to Mayor Smith. He said the work required too much of his time. The Mayor accepted the resignation and appointed John Frederick Lewis, president of the Pennsylvania Academy of the Fine Arts, to membership on the jury to fill the vacancy. The jury will elect its president to succeed Doctor Harrison. Doctor Harrison was formerly provost of the University of Pennsylvania.

* * *

Percy H. Wilson, former secretary of the American Portland Cement Association, told the members that, through advertising, the production of Portland cement had increased from 300,000 barrels in 1900, to 90,000,000 barrels this year. The cost was reduced from \$2.10 to 90 cents a barrel.

* * *

The window glass industry has under consideration a contract form similar to that adopted earlier in the week by the National Association of Sheet and Tinplate Manufacturers; that is, the elimination of all conditions and provisions guaranteeing prices against market declines, according to an announcement made here. A committee of the National Glass Distributors' Association discussed the proposed contract with leading manufacturers here. No decision was reached, but the question was left open while committees of each side will make further investigation.

* * *

The Advance, issued by the Corn Exchange National Bank, states: "Philadelphia is either to grow rapidly and along broad lines and become one of the great commercial and manufacturing centres of the world, or she is to lose her great sources of wealth and drift back into a condition of decreasing values and declining commerce. Payment of taxes under present day conditions, when the city has adopted an ambitious plan of general development, bringing new bene-

fits to all divisions of the population, is certainly in the nature of an investment, and those who profit most through the growth of Philadelphia should be asked to bear the larger share of that burden, always bearing in mind the fact that equity in taxation must always be influenced by the ability of the government to collect a given tax without involving an expenditure in such collection greater than the promised return from the tax."

* * *

"The pig iron market of the last two weeks," says the *Iron Age*, "is virtually without a parallel in the experience of present-day producers. Following advances of \$1 to \$2 a ton recorded recently, prices in all northern selling centers have gone up \$2 to \$3 more, with every indication that higher levels will be reached. The advances are unprecedented in being due, not to a clamorous demand for iron for quick shipment, as in all previous excited markets, but to a simultaneous effort of buyers to cover far forward requirements—in many cases through the second half of 1917."

* * *

The hardware business is supposed to be a sober, staid, uneventful pursuit, done very much after the fashion of our grandfathers and with as little excitement. As a matter of fact, it is as changeable and full of surprises as a five-reel movie, and the dealer who fails to keep up with its mutations soon finds himself with a lot of unsalable, out-of-date stock on hand. This is particularly true of builders' hardware.

For some reason transoms do not seem to be used in new buildings to anything like the same extent as formerly; consequently, transom hinges and transom lifters are not selling so well as before. So, too, is the matter of sliding door locks. Very few sliding doors are used in modern construction, and such as are used are nearly all single doors with flat fronts. So double sliding door locks, with either flat or astragal fronts, are practically out of date.

So in the matter of finishes for builders' hardware, the old No. 3 finish, which meant a black background with a polished raised surface, once so popular, is now regarded as crude and tawdry, very much as the present generation regards chromos. Dull brass finish is much in favor, but the story of all finishes is as uncertain and fitful as the career of a politician.

* * *

A twelve-year first mortgage loan of \$4,000 has been made by the Thrift

Banking Institution, of Brooklyn, to William B. Sievers on his property at 2133 Sixty-seventh street, Brooklyn, a one-family dwelling on a plot 24 by 130 near the Twenty-second avenue station of the Sea Beach subway, in Mapleton Park.

Under the form of mortgage the purchaser, by paying \$39.76 a month for a \$4,000 mortgage, satisfies both principal and interest in twelve years, the 104th payment canceling the mortgage. In that time \$5,725.44 is paid, including principal and \$1,625.44 interest. The average annual cost for carrying the loan is \$143.79, and while the mortgage is written at six per cent., the actual cost for carrying it is only three and three-fifths per cent.

* * *

Those present at the recent zoning conference at the Adelphia, included Mayor Thomas B. Smith, Director of Public Safety William H. Wilson, Director of Health and Charities Wilmer Krusen, E. T. Stotesbury, Chester Albright, Joseph E. Widener, Director of Wharves, Docks and Ferries George S. Webster, LeRoy Worrell, John B. McClatchy, Edgar V. Sealer, Bernard J. Newman, Edgar S. McKaig, President of Select Council James E. Lennon, Dr. Edward B. Gleason, President of Common Council; Joseph P. Gafney, chairman Finance Committee of Councils; Joseph C. Smith, Benjamin A. Halde-man and William C. Stanton.

* * *

Razing of Convention Hall will start soon. Bids for its demolition will be opened November 10 by Chief Cumiskey, of the Bureau of City Property.

BUILDERS' GUIDE

FORMERLY

The Philadelphia Real Estate Record
and Builders' Guide

PUBLISHED WEEKLY

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Irving Dillon.....Editor

That taxation systems based solely on real estate have proved futile and that bad revenue systems are present in practically every American municipality because of it, were assertions made at a symposium on taxation conducted by the Walnut Street Business Men's Association at the Bellevue-Stratford Hotel. Allan C. Girtwood, secretary of the Maryland Tax Commission, and Laurence McGuire, president of the Real Estate Board of New York, were the speakers. E. J. Berlet presided.

* * *

"Philadelphia needs primarily a budget system," Mr. McGuire said, "to replace its present inverted scheme of fitting expenses to revenue. Local assessments on improvement to real estate ought largely to replace the practice of floating loans for current expenses, and the suburban tax rate ought to be equal-

ized." The city's financiers are at present working on a budget system.

Franchise charges and occupation taxes were criticised by Mr. Girtwood, who said that a fair basis for assessment lay in taxation of return on capital, especially for those who held little property and who now are almost untouched by taxation.

"Real estate men," continued Mr. Girtwood, "can obtain lasting relief only by a course at variance with that heretofore adopted by most of them, and that is by assisting public officials in curing defects in administration. Tax exemptions are too liberal, and residence districts contribute a larger percentage than do business properties, notwithstanding there is more increment to the latter. Unearned increment taxes, however, are flare-ups. The only sound tax is a frequent re-assessment as often as changes in value occur."

A PLEA FOR A BETTER SYSTEM OF ESTIMATING

By G. ALEXANDER WRIGHT*

COMPETITION, so called, among contractors is comparatively a modern innovation. The words "so called" are used intentionally, for under the prevailing conditions, competition intelligently and conservatively conducted is the exception, and not the rule. Our methods to-day are largely gambling methods when it comes to ascertaining the quantities of materials which go to make up a structure and which must, of course, be accurately ascertained before an intelligent, satisfactory bid can be made.

So true is this that it is a matter of common knowledge that fully fifty per cent of the contracts let are the result of error, and further, that the more capable and careful a bidder is, to get in all his items, the less chance he has of securing a contract, profitable or even otherwise. The lowest bid, the one generally accepted, is usually anything but the most accurate.

One of the greatest inconsistencies also, in competitive estimating, lies in the fact that no sooner are bidders invited to give a price on a job, than they seem to compete among themselves to see who can take off the least quantity of material, etc., and it is surprising how well some of them succeed.

What the Quantity System Means..

The quantity system is not, as some persons have supposed, merely the tak-

ing off of a list of items by one person, for one other person's use, nor does it consist solely of the listing of items by individual contractors with varying methods and uncertain accuracy, owing in part to the fact that contractors are seldom, if ever, allowed proper time in which to make up an accurate bid. It must not be overlooked that some "training" is also essential to the accurate preparation and classification of quantities.

What the quantity system does mean, however, is the careful measurement by an independent person specially trained in this special kind of work, and the present age is undoubtedly the age of the specialist. This specialist, or quantity surveyor, proceeds with his work somewhat differently to the average contractor, for he follows certain recognized rules in taking off, abstracting and billing, with a view to eliminating error.

He uses also certain uniform standards of measurement, and expression. Every written word or figure is preserved for future reference. His checking and rechecking methods to insure accuracy, must be studied, to be appreciated by those to whom the quantity system is unknown.

Records Made.

A record is made of every item, however small, having a money value. These items are then all classified and arranged,

each under its proper trade or department in methodical order. Guesswork methods are unknown to the quantity surveyor, whilst his accuracy and attention to details is well worthy of comment.

The surveyor who does this work is a professional man similar to the engineer and the architect. He should, in fact, have, and usually has had some experience at least in the work of these professions, and in addition, a practical experience acquired in the field, in actual superintendence of construction work.

Such a surveyor then upon commencing to take off quantity from an architect's or engineer's drawings, readily detects any ambiguities, or discrepancies which exist, through hasty preparation or otherwise. Attention of the architect or engineer is at once called to such matters by the quantity surveyor, as he goes along. Being so detected, such ambiguities and uncertainties can be, and are, corrected and adjusted, so that by the time the drawings and specifications reach the bidders for estimating purposes, all doubts have been cleared up, and everything has been made so plain and accurate, that the possibility of error in quantities can be practically disregarded.

This document, prepared exclusively in the surveyor's office, is then either printed or similarly reproduced, and a fac simile copy supplied free of cost to each bidder, who inserts his unit price opposite each item, and readily foots up the money cost in dollars and cents, and which really is all that he should be asked to do. The quantities of materials and labor then set forth in this document, or bill of quantities, represent the limit of what the contractor will be called upon to perform or furnish, in order to complete his contract.

Bid Becomes a Proposal.

In short, the bid becomes a proposal to do a certain "fixed quantity" of work, indicated in the quantities, no more and no less. The contract to be drawn accordingly. This then very briefly is the main underlying principle of the quantity system of estimating, a definite quantity of work for a definite price, and payment according to a well defined systematized method of measurement, and the entire elimination of those well-known conditions and elements, which now compel bidders to take chances, and for which all parties usually suffer in the end, the owner included.

Most of us are familiar with these wasteful, unsatisfactory methods, and sometimes, even pernicious practices, which are followed to-day in bidding upon and carrying out work. These injure both parties to a contract, and they

(Continued on page 742.)

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (8), Wingohocking street, west of Eleventh street. Architect, private plans. Owner, Joshua M. Holmes, 4538 N. Twelfth street, Philadelphia. Brick, 2 stories, 17x56 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner taking sub-bids. Will start work at once.

Factory (add.), 839 North Third street, Philadelphia. Architect, private plans. Owners, Royal Pioneer Paper Box Co., 934 North Third street, Philadelphia. Brick and steel, 3 stories, 25x105 feet, slag roof, pine floors, metal sash, fire doors, tile work. Owners taking bids, due November 8th. Frank E. Wallace, 1220 Chancellor street, Graham-Campion Co., Heed Building, are figuring.

Group of Buildings, Front and Federal sts., Philadelphia. Architect, Wm. H. Cookman, Broad St. Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station. Brick, steel, concrete and corrugated iron, 1 and 2 stories, various sizes, slag roof, cement, pine and maple floors, dampproofing, consists of office and tool house, wagon scale office, loading and island platforms, carpenter shop and scale office on loading platform, yard clerks' office, car inspector building No. 3 and garage. Plans completed. Owners will advertise for bids in one week.

Residence (alt. and add.), 1635 Spruce st., Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Jos. R. Wainwright, 505 Chestnut street, Philadelphia. Brick, 3 stories addition, 15x22 feet, slag roof, wire lath, dumbwaiter, dampproofing, electric lighting, tile work. Architects have received bids.

Store Building, 716 North Broad street, Philadelphia. Architect, Frank E. Hahn, 908 Chestnut street, Philadelphia. Owners, Metropolitan Auto Supply Co., 702 North Broad st. Consists of alterations to first floor, new hot water heating, electric lighting, new floors, new front, etc. Plans in progress.

Stores (alts.), 900 Chestnut street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Lea Estate, 700 Sansom street, Philadelphia. Consists of general interior alterations, shoring, new fronts, new floors, partitions, etc. Revised plans in progress.

Lead Shop (add.), Frankford Arsenal, Philadelphia. Architect, private plans. Owners, U. S. Govt., Col. Geo. Montgomery, Frankford Arsenal. Brick, steel and concrete, 2 stories, 38x43 feet, slate roof, metal sash, waterproofing, cement floors, wire lath. Lowest bidders, Monaghan & Losse, 3016 Chestnut street.

Residences (22), South side of Christian street, between Sixty-second and Sixty-third streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Schuykill Realty Co., 5642 Walnut street, Philadelphia. Brick, 2 stories, 16x54 feet, garage addition in rear, slate, slag, tile and tin roofs, hot water heating, electric lighting, hardwood floors, tile work. Plans completed. Owners will take sub-bids on all lines in a few days.

Residences (42), north side of Olney avenue, west of Broad street. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 16x56 feet. Plans in progress. Too early for details.

Residences (19), Tioga and Palethorp sts., Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Wm.

A. Lechler, 3705 Germantown avenue. Brick, 2 stories, 14x35 feet and 15x46 feet, slag roofs, hot air heating, combination lighting. Owner will be ready for sub-bids in about one week.

Shop Building (alts.), 421 North Marshall street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, J. M. Kennedy, Jr., 1001 Chestnut st., Philadelphia. Brick, 3 stories, general interior alterations to shop, steam heating, electric lighting, yellow pine floors, slag roof, skylights. Plans about completed. Owner will take sub-bids in about one week.

Factory, 1719 North Tenth street, Philadelphia. Architect, private plans. Owners, Jno. E. Sjoström Co., Inc., on premises. Brick, 3 stories, 96x154 feet, slag roof (heating reserved), electric lighting, steel sash, fire doors, freight elevator, skylights. Owners have received bids.

Post Office (alt.), Ninth and Market sts., Philadelphia. Architect, Jas. A. Wetmore, Treasury Dept., Washington, D. C. Owners, U. S. Govt., Treasury Dept., Washington, D. C. Interior alterations, metal lath, tile work, dumb-waiter (plumbing and heating separate bids). Owners taking bids, due November 29th at 2 p. m. E. P. Fonder Co., Land Title Buildin, F. G. Stewart, 1619 Sansom street, and Jos. Price, 2048 Rittenhouse street, are figuring.

Packing Plant (alt. and add.), West Philadelphia Stock Yards, Thirtieth and Race sts., Philadelphia. Architect, C. B. Comstock, 110 West Fortieth street, New York City. Owners, Penna. RR. Co., Broad Street Station, Philadelphia. Brick, steel and reinforced concrete, 2 stories, 61x125 feet, asbestos, steel reinforced concrete and composition roof, metal sash, waterproofing, fire doors, ventilators, reinforced concrete and brick floors, hollow tile, elevators, roofing steel doors. Plans completed. Owners will take bids soon.

Poultry House, Van Pelt above Cambria street, Philadelphia. Architect, Robert Wilson Pollock, 1302 Chestnut street, Philadelphia. Owner, Jos. Manfredi, 2123 W. Spella street. Brick, 2 and 1 story, 14x63 feet, slag roof, pine floors. Owner has received bids.

Residences (4), 1213-19 Wakeling street, Philadelphia. Architect, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, C. West & Co., Oxford and Wakeling streets, Philadelphia. Brick, 2½ stories, 16x56 feet, slate and tin roofs, hot air heating, hardwood floors, electric lighting, tile work. Owners taking sub-bids on all lines.

School (alt.), Broad and Jackson streets, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street. Owners, Board of Education, Nineteenth above Chestnut street. Consists of carpenter and mill work (plumbing, heating and electric work separate bids, due November 10th at noon). Mitchell Bros., 2125 Race street, Philadelphia, are figuring.

Playgrounds (2), Cedar and Cambria streets and Twenty-second and Sedgley avenue. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, room 527. Consists of swimming pools, shelter buildings, slag roof, brick and reinforced concrete (plumbing and electric work separate bids). Owners taking bids, due November 9th. In addition to those previously reported, M. &

J. B. McHugh, 892 North Markoe street; Wm. Mundy, 228 South Alder street, and Francis S. Markland, 1500 Sansom street, are figuring.

Playgrounds (3), Shirley and Frances sts., C street and Indiana avenue, and Sixth and Christian streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, room 537, City Hall, Philadelphia. Consists of grading walks, etc. Owners taking bids, due November 9th at noon. In addition to those previously reported, M. & J. B. McHugh, 892 North Markoe street; Wm. Mundy, 228 South Alder street, and Francis S. Markland, 1500 Sansom street, Philadelphia, are figuring.

Reading Room and Executive Office, southwest corner Fortieth and Walnut streets. Owners, First Church of Christ Scientist, care John F. Braun, Real Estate Trust Building, Philadelphia. Too early for details.

Office Building, Mantua Yard, Thirty-eighth and Pennsgrove streets, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Brick and concrete, 2 stories, 25x55 feet, slag roof, pine, concrete and composition floors, electric lighting, metal lath, ventilators, marble work (cement, paving and metal lockers reserved). Owners taking bids, due November 8th. Bailey-Lush Co., 201 North Broad street; Roydhouse-Arey Co., 112 North Broad street; John N. Gill & Co., Heed Building; Loos & Dothard, Commercial Trust Building; Armstrong & Latta, Land Title Building; Brann & Stuart, Commercial Trust Building; A. B. Cushing, Commercial Trust Building; Abel Bottoms & Sons Co., 3611 Walnut street; Chas. McCaul Co., 1713 Sansom street; A. L. Carhart, Hale Building; Edw. F. Fonder Co., Land Title Building; Monaghan & Losse, 3016 Chestnut street; Lincoln H. Smith, Hale Building; John Goll & Co., 1529 Filbert street; F. A. Havens & Co., 845 North Nineteenth street; Manwaring & Cummins, 5622 Germantown avenue; E. E. Hollenback, Fifteenth and Race streets; Chas. Gilpin, Harrison Building; and Mitchell Bros., 2125 Race street, Philadelphia, are figuring.

Sanitarium (alts.), Germantown avenue and City line, \$15,000. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Bella Vista Sanitarium, Dr. H. L. Randall, on premises. Brick, 2 stories and basement, slate roof, steam heating, electric lighting. Architect has received bids.

Residences (68), Tioga, between I and J streets, Philadelphia. Architect, private plans. Owner, Isadore Finestone, 2983 Aramingo st., Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner is ready for sub-bids on all lines.

Stores and Dwellings (3), Kensington avenue, east of Atlantic street. Architects, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Finestone & Mittelman, care architect. Brick, 2 stories, 15x46 feet, slag roof, hot air heating, electric lighting, tile work, store fronts. Plans about completed. Architect will take sub-bids in a few days.

Residences (4), Titan street, between Fifth and Sixth streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets,

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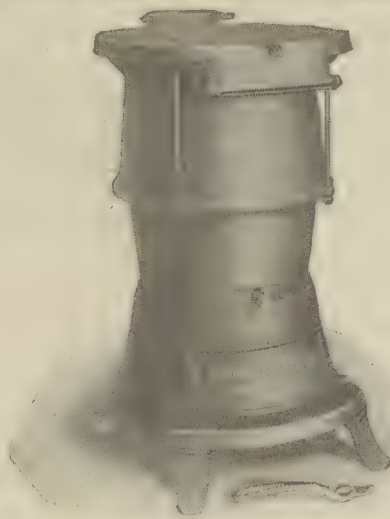
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Philadelphia. Owner, Albert H. Lieberman, southeast corner Fifth and Wharton streets. Brick, 2 stories, 16x40 feet, slag roof, combination lighting, hot air heating. Owner will be ready for sub-bids in about one week.

Residence and Garage, Overbrook, Philadelphia. Architect, Robt. Rodas McGoodwin, 1422 Walnut street, Philadelphia. Owner, Morris Estate, Overbrook, Pa. Stone, 2½ stories, 73x29 feet, and 1 story, 31x22 feet, shingle roof (heating reserved), electric lighting, tile work, hardwood floors, cement floor in garage, metal lath. Architect has received bids.

Stores and Residences (6), Germantown avenue and Duval street, \$25,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Chas. J. Day, care architect. Brick, irregular sizes, fronts from 16 feet to 30 feet, slag roof, hot water heating, electric lighting. Architect and owner, care Mr. Budd, 1320 Race street, will take sub-bids in a few days.

Residences (3), Overbrook, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut st., Philadelphia. Owner, name withheld. Brick and stone, 16x58 feet, 3 stories, slate roofs, hot water heating, electric lighting, tile work. Architect will be ready for bids in about one month.

Service Building, Broad and Wood streets, Philadelphia. Architects, Kahn & Wiley, Detroit, Mich. Owners, Packard Motor Car Co., L. J. Eastman, manager, 216 North Broad st., Philadelphia. Brick, concrete, steel and terra cotta, 6 stories, 187x70 feet, slag roof, electric lighting, metal sash. Revised plans in progress. Architect will take bids in a few days.

Hospital (add.), Fifth and Wilder streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Mt. Sinai Hospital, on premises. Brick and concrete, 2 stories, addition to the present building, composition roof, electric lighting. Plans completed. Ready for bids.

Residences (30), Fifty-fifth and Greenway avenue, Philadelphia. Architect, private plans. Owner, Galen Hemperly, 120 South Forty-fifth street, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Work about to be started.

Residences (Twin) 4 and 6 West Coulter st., Germantown. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, J. S. Walker, 228 Manheim street, Ger-

mantown. Brick and rough cast, 2½ stories, slate roofs, hot water heating, electric lighting, tile work, hardwood floors. Architect taking bids, due November 10th at noon. The following are figuring: Samuel Harting, 22 East Johnson street; F. Elvidge & Son, 5522 Germantown avenue; G. W. Whitenar, 403 E. Penn street; Chas. Johnson, 5701 Boyer street, all of Germantown.

Factory (add.) 839 North Third street, Philadelphia. Owner, private plans. Owners, Royal Pioneer Paper Box Co., 934 North Third street. Brick and steel, 3 stories, 25x105 feet, slag roof, pine floors, metal sash, fire doors, tile work. Owners taking bids, due November 8th. F. G. Stewart, 1619 Sansom street, is figuring.

Post Office (alt.), Ninth and Market streets, Philadelphia. Architect, Jas. A. Wetmore, Treasury Dept., Washington, D. C. Owners, U. S. Govt, Treasury Dept., Washington, D. C. Interior alterations, metal lath, tile work, dumbwaiter (plumbing and heating separate bids). Owners taking bids, due November 29th at 2 P. M.

Residence and Showroom (alt. and add.), 708 South Second street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, name withheld. Brick, 3 stories, 15x40 feet, showroom addition, 3 stories, 22x87 feet, general interior and exterior alterations, hot water heating, electric lighting, slag roof, hardwood floors, tile work. Plans in progress.

Gaage, 3517 Longshore street, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street, Philadelphia. Owner, Dr. J. Albert Bolin, on premises. Brick, 1 story, 30x150 feet, slag roof, steam heating, electric lighting, cement floors. Owner taking revised bids from Wilson Milnor, 4634 Penn street, and Jas. M. Tighe Co., 245 North Eleventh street.

Warehouse, 320 South Front street, Philadelphia. Architect, B. J. Medoff, 524 Walnut street, Philadelphia. Owners, A. Linton & Son, 519 South Second street, Philadelphia. Brick and steel, 3 stories, 25x100 feet, slag roof, electric lighting, dampproofing, ventilators, metal window guards, concrete floors, elevators, rolling steel doors. Architect taking bids. Jacob Neuborn, 1731 North Eighth street, is figuring.

Factory, 1719 North Tenth street, Philadelphia. Architect, private plans. Owners, John E. Sjoström Co., Inc., on premises. Brick, 3

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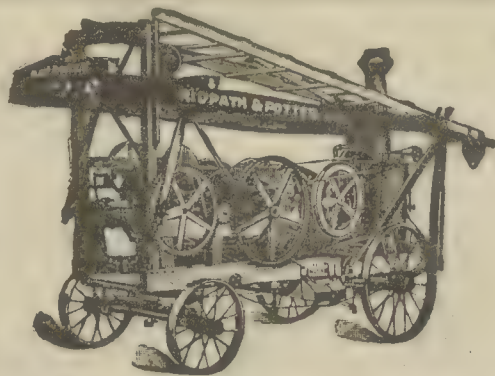
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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Department Store (alt.), 720 Market street, \$4,000. Architect, private plans. Owners, Kohn Adler Co., on premises. Consists of interior alterations and millwork, steam heating, electric lighting, maple, tile and marble work. Contract awarded to P. M. Sax, Heed Building, Philadelphia.

Paving, Federal and Reed Streets Yards, Philadelphia, \$15,000. Engineer, A. T. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Consists of granite blocks, granite curbing and cement work. Contract awarded to John Meehan & Sons, 915 West Dauphin street, but not yet signed.

Garage, York road and Spencer street, Philadelphia. Architects, Private plans. Owners, Matthew Donnelly, on premises. Brick, 1 story, 60x122 feet, slag roof, cement floors (heating and electric work reserved). Contract awarded to J. H. Dagney, Sixty-ninth and Old York road.

Office Building, Fourth and Lehigh avenue, Philadelphia, \$50,000. Architects, Wm. Steele & Sons, 1600 Arch street, Philadelphia. Owners, Quaker Lace Store, Twenty-second and Lehigh avenue, Philadelphia. Brick, steel, reinforced concrete and terra cotta, 5 stories, 97x44 feet, slag, asbestos and tile roof, cement and maple floors, steam heating, electric

lighting, metal lath and sash, waterproofing, fire doors, marble work, elevators, weather-strip, terrazzo work, rolling steel doors. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street, Philadelphia, who are taking sub-bids.

Store and Apartments (alt. and add.), 5340 Germantown avenue. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner, John F. Conlin, 12 W. Willow Grove avenue, Philadelphia. Brick and stone, 2½ stories, 18x90 feet, hot water heating, combination lighting. Contract awarded to Wm. J. Cowell, 943 E. Cheltenham avenue.

Store (alt.), southwest corner Sixtieth and Market streets, \$5,000. Architect, C. E. Rahn, 410 Walnut street, Philadelphia. Owners, Rittenhouse Bros., Fifty-third and Vine sts., Philadelphia. Brick and steel, 3 stories, steam heating, electric lighting, metal lath, tile and marble work, new bulks, pine floors. Contract awarded to Ketcham & McQuade, 1029 Brown street.

Factory (alt. and add.), Beck and Swanson streets, Philadelphia. Architects, Heacock & Hokanson, 1218 Chestnut street, Philadelphia. Owners, Hagy Waste Works, 836 Sansom st., Philadelphia. Brick, 2 stories, slag roof, cement and plank floors. Contract awarded to Barelay White & Co., 1713 Sansom street.

PENNSYLVANIA

Construction News

Residence and Garage, Penfield, Pa. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, James L. Walton, Penfield, Pa. Stone and frame, 2½ stories, 45x28 feet, shingle roof, hot water heating, tile and hardwood floors, electric lighting. Architects taking sub-bids on all lines.

Administration and Service Building, Darby and Eagle roads. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Haverford Township, Commissioners, Dr. H. B. Morse, secretary, Llanerch, Pa. Stone and terra cotta, 2 stories, 46x76 feet and 2 stories, 54x46 feet, slate roof, steam heating, electric lighting, waterproofing, tile work, iron stairs, proposal bond. Lowest bidder, Oscar Lobb, Llanerch, Pa.

Garage, Latham Park, Pa. Architect, P. J. Kluges, 1012 Walnut street, Philadelphia. Owner, Richard J. Steiner, Westmoreland and Howard streets. Stone and stucco, 1½ stories, accommodations for 3 cars, slate roof. Plans in progress.

Office Building, Jenkintown, Pa. Architect, Laurence V. Boyd, Harrison Building, Phila-

delphia. Owners, Philadelphia Suburban Gas & Electric Co., Jenkintown, Pa. Stone, 1 story, 30x60 feet, slag roof, steam heating, electric lighting. Architect taking bids, due November 10th. Henry Specht, Willow Grove, Pa.; H. E. Hauser, Glenside, Pa.; John Stevens, Inc., Wyncote, Pa.; F. L. Hoover & Sons, 1023 Cherry street; F. S. Davis, 240 N. Sixteenth street; Wills-Ludwick Co., 34 South Seventeenth street; Wm. R. Dougherty, 1610 Sansom street, and Albert Zellfelder, 151 S. Broad street, Philadelphia, are figuring.

Garage (alt.), near Chestnut Hill, Philadelphia. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owners, Joseph Wood Wagner, 41 E. Chestnut avenue, Chestnut Hill. Consists of millwork, plumbing and plastering, cement & pine floors. Architect taking bids. Specht & Sperry, Heed Building, is the only bidder.

Passenger Station and Platform, Freeport, Pa. Architect, Wm. H. Cookman, Broad St. Station, Philadelphia. Owners, Penna. R.R. Co., Broad Street Station, Philadelphia. Brick, steel and terra cotta, 2 stories, 111x40 feet,

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tile, tin and slag roof, vacuum heating, electric lighting, cement, wood and composition floors, electric lighting, metal lath, asphalt paving, safety treads, tile and marble work. Plans in progress. Owners ready for bids in about two weeks.

Borough Hall and Fire House, Ambler, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Wissahickon Fire Co., Ambler, Pa. Reinforced concrete, brick, stone and terra cotta, 2½ stories, 39x95 feet, asbestos roof, steam heating, electric lighting, metal lath. Revised plans about completed. Architects will take bids in a few days.

Chapter House, South Bethlehem, Pa. Architect, C. F. Townsend, 120 Church street, New Haven, Conn. Owners, Phi Delta Theta Fraternity, Lehigh University. Stone and hollow tile, 3 stories, 70x32 feet, slate roof, vapor vacuum heating, pine and oak floors, electric lighting, metal lath, metal weatherstrips, cabinet work, dumbwaiters, tile and marble work. Owners taking revised bids, due November 10th. F. B. Davis, 240 North Sixteenth street, is figuring.

Garage, Bala, Pa. Architect, Frank Seeburger, Penna. Building, Philadelphia. Owner, M. P. Glynn, Bala, Pa. Stone and timber, 1½ stories, shingle roof, steam heating, cement floors, electric lighting. Architect has received bids.

Residence and Garage, Penfield, Pa. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owner, James L. Walton, Penfield, Pa. Stone and frame, 2½ stories, 45x28 feet, shingle roof, hot water heating, tile and hardwood floors, electric lighting. Plans completed. Architects ready for bids.

Manufacturing Building (add.), Harrisburg, Pa. Architect, C. D. Cooley Co., Pittsburgh, Pa. Owners, Penna. Milk Products Co., Harrisburg, Pa. Brick and concrete, 3 stories, slag roof, cement and wood floors (heating and lighting reserved) (elevators reserved), fire doors. Monaghan & Losse, 3018 Chestnut street, Philadelphia, are taking sub-bids on additional stories.

Parish House, Chester, Pa. Architect, Harman Miller, Crozier Building, Philadelphia. Owners, Evangelical Lutheran Church of the Holy Trinity, Rev. John W. Houser. Stone, limestone trimmings, 2½ stories, 38x80 feet, slag roof, steam heating, marble floors, electric lighting, metal lockers, cabinet work (electric lighting, heating, plumbing reserved). Plans about completed. Owners will take bids in a few days, due November 20th.

Residence and Garage, Merion, Pa., \$40,-

000. Architects, Seeburger & Rabenold, Penna. Building, Philadelphia. Owner, R. J. Hughes, 1509 North Sixteenth street, Philadelphia. Brick and plaster, 2½ stories, 35x100 feet, slate roof, indirect steam heating, electric lighting, tile work, hardwood floors. Revised plans in progress. Will be ready for bids in a few days.

Residence, Haverford, Pa. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owner, Miss Evelyn S. Runk, Haverford, Pa. Stone and plaster, 2½ stories, 34x34 feet, slag and shingle roof, pine, oak and cement floors, electric lighting, tile work. Architect taking bids, due November 9th. The following are figuring: Metzger & Fisher, Denckla Building; Graham-Campion Co., Heed Building; James H. Wells, Heed Building; J. P. Thompson, Real Estate Trust Building; Gray Bros., Rosemont, Pa.

Garage, Bala, Pa. Architect, Frank Seeburger, Penna. Building, Philadelphia. Owner, M. P. Glynn, Bala, Pa. Stone and timber, 1½ stories, shingle roof, steam heating, cement floor, electric lighting. Architect has received bids.

Paint Shop (alt.), Ardmore, Pa. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Autocar Co., Ardmore, Pa. Brick and steel, 3 stories, consists of new brick footings, structural steel, concrete work and painting. Architects have received bids.

Residence, Wyomissing Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Geo. Moyer, Wyomissing, Pa. Stone, 2½ stories, 46x38 feet, slate roof, vapor heating, electric lighting, reinforced concrete, dampproofing. Architect taking bids, due November 11th. Daniel H. Hunter, 809 North Eleventh street; Geo. E. Koch, 1021 Robinson street, Reading, Pa.; Chas. Schleger, Mt. Penn, Pa.; A. P. Spatz, Wernersville, Pa., and H. J. Raudenbush, Reading, Pa., are figuring.

Residence, Hyde Crest, Pa., \$4,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, M. G. Bitner, Harrisburg, Pa. Brick, 2½ stories, 28x30 feet, slate roof, hot water heating, electric lighting. Owner taking bids.

Knitting Mill, Glenside, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, Geo. O. Kunyson, 46 North Tenth street, Reading, Pa. Reinforced concrete, steel and brick, 3 stories, 32x83 feet, slag roof, steam heating, electric lighting, metal lath and sash, waterproofing, fire doors, ventilators, sprinklers, elevators, rolling steel doors and shutters. Owner taking sub-bids on all lines.

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Garage, Pottstown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. C. Roth, Pottstown, Pa. Brick, 1 story, 20x22 feet, composition roof, electric lighting, cement floors. Owner will take sub-bids on all lines.

Dormitory Buildings (5) and Connecting Corridors, Byberry, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Ownes, City of Philadelphia, Dr. Wm. Kru-

son, Director, Dept. of Public Health and Charities, City Hall, Philadelphia. Brick, stone and hollow tile, (1) 2 stories, 54x99 feet, and (4) 2 stories, 160x50 feet, slate and slag roof (plumbing, vacuum heating and electric lighting separate bids), metal lath, pine floors, waterproofing and dampproofing, weatherstrips, safety treads, tile and marble work, terrazzo work, metal window guards. Owners have received bids.

PENNSYLVANIA

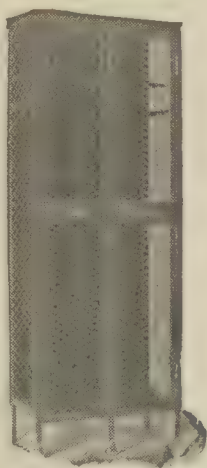
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Residence, Ardmore, Pa., \$14,000. Architects, Tilden & Register, 1713 Sansom street, Philadelphia. Owner, Mrs. Henry A. Delley, 200 Glenn street, Ardmore, Pa. Hollow tile and plaster, 2½ stories, 61x56 feet, tile roof, hot water or vacuum heating, electric lighting, tile work (floors not decided). Contract awarded to Elfreth & Co., 1708 Sansom street, who will take sub-bids, due November 9th on hollow tile, stone and brick work, excavation and cement work. Other sub-bids will be taken later.

Residence and Garage, North Glenside, Pa. Architect, private plans. Owner, P. Sheridan Moore, 1730 North Broad street, Philadelphia. Stone, hollow tile and plaster, 2½ stories, 28x36 feet, asbestos shingle roof, hot water heating, electric lighting, parquet floors. Contract awarded to Kruson Bros., Glenside, Pa.

Garage and Kennels, Springfield, Pa. Architects, Seeburger & Rabenold, Penna. Building, Philadelphia. Owner, Charles Este, Jr., Widener Building, Philadelphia. Hollow tile and plaster, 1½ stories, 30x23 feet, tile roof, hot water heating, electric lighting. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Residence and Garage, Lansdowne, Pa. Architect, Francis C. Caldwell, 1004 Stephen Girard Building, Philadelphia. Owner, F. Rees Phillips, care architect. Stone, hollow tile and plaster, 2½ stories, 39x29 feet, 1 story wing, 16x21 feet, shingle roof, oak and pine floors, electric lighting, metal lath, tile

work (cabinet work and heating reserved by architect). Contract awarded to J. Howard Roberts, Lansdowne, Pa., but not yet signed.

Comfort Station, Bala, Pa. Architect, Ralph E. White, Penna. Building, Philadelphia. Owners, Lower Merion Township Commission, care Jos. Kerbaugh, Lower Merion. Brick, hollow tile and plaster, 1 story, 31x16 feet, shingle roof (heating and plumbing reserved). cement floors, marble work, metal lath. Contract awarded to Philip S. Davis, Bryn Mawr, Pa.

Power House, Chester, Pa., \$2,500,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Beacon Light Co., care Phila. Electric Co., Tenth and Chestnut streets. Brick, steel, reinforced concrete and slag roof, electric lighting, metal sash, waterproofing and dampproofing, fire doors, ventilators, concrete floors, elevators. Contract awarded to Chester Const. Contr. Co., Chester, Pa., Philadelphia office, 710 Heed Building, Philadelphia.

Residences (3), Haverford, Pa. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owners, McIlvaine Co., Land Title Building, Philadelphia. Stone, frame and plaster, 2½ stories, 48x27 feet, 34x42 feet and 27x40 feet, shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Contract awarded to Graham-Campion Co., Heed Building, Philadelphia.

Factory, Richland, Pa., \$15,000. Architect, Calvin J. Young, 520 Washington street, eRad-ing, Pa. Owners, Curtis & Jones & Richland

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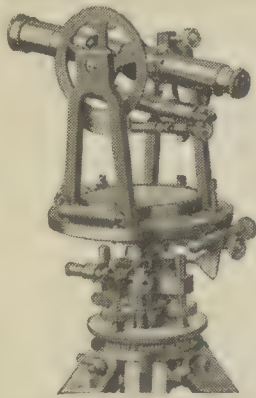
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Enterprise Mfg. Co., Richland, Pa. Brick, 2½ stories, 41x121 feet, slag roof, steam sash, steam heating, electric lighting, reinforced concrete floors, fire doors, waterproofing and dampproofing, sprinkler system. Contract awarded to Beard Const. Co., Reading, Pa.

Office Building, 850 Weiser street, Reading, Pa., \$5,000. Architect, Calvin J. Young, 520

Washington street, eReading, Pa. Owner, Garry W. Grimm, on premises. Brick and concrete, 2 stories and basement, 18x25 feet, slag roof, steam heating, electric lighting, yellow pine floors, metal sash, waterproofing and dampproofing, ventilators. Contract awarded to Daniel H. Hunter, 909 North Eleventh street, Reading, Pa.

NEW JERSEY Construction News

Post Office, Woodbury, N. J. Architect, J. A. Wetmore, Treasury Dept., Washington, D. C. Owners, U. S. Govt., Treasury Dept., Washington, D. C. Brick, stone and terra cotta, 2 stories, 75x55 feet, composition roof, steam heating, metal lath, waterproofing and dampproofing, ventilators, safety treads, tile and marble work, weatherstrips, terrazzo work, (plumbing, steam heating, electric lighting reserved). Lowest bids submitted by Chas. McCaul Co., 1713 Sansom street, Philadelphia, \$57,670. Edw. F. Fonder Co., Land Title Building, \$58,700.

Retrestile Bridge, over D. & R. Canal, near Trenton, N. J. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Stone, steel, concrete and wood ceiling. Owners taking bids, due November 10th at 10 A. M. The following are figuring: Brann & Stewart, Commercial Trust Building; Walter R. Cliffe Co., 201 North Broad street; Jno. Goll & Co., 1539 Filbert street; Day & Zimmermann, Cantrell Const. Co., Land Title Building; Seeds & Derham, 6314 Wissahickon avenue; Sparks & Evans, 201 North Broad street; Keystone State Const. Co., Penna. Building; T. F. Reilly, Pala, Pa.; James McGraw Co., Brown-King Const. Co., Peoples Bros., Inc., Eyre Shoemaker, Inc., McMenamin & Sims, Jas. F. Brogan & Co., P. McManus, Inc., and H. F. Curtis, all in the Commercial Trust Building; John A. Kelley Co., Penna. Building, all of Philadelphia.

Apartment Houses (2), Mass. and Calloway avenues, Atlantic City. Architect, Bertram

Ireland, Guarantee Trust Building, Atlantic City. Owner, Rr. Philip I. Marvel, Atlantic City, N. J. Brick and stone trim, 4 stories, 90x43 feet, slag roof, asbestos shingle roof, hot water heating, electric lighting, tile work, hardwood floors, waterproofing, marble work. Plans in progress.

Apartment (alt. and add.), 9 South Arkansas avenue, Atlantic City, N. J., \$5,000. Architect, Frank Berry, Guarantee Trust Building, Philadelphia. Owner, Mrs. Robert J. O'Neil, Atlantic City, N. J. Stucco, 4 stories, 18x65 feet, slag roof, tile floors, electric lighting, metal lath, new plumbing. Plans in progress.

Apartment House, 18 South Sovereign avenue, Atlantic City, \$8,000. Architect, Frank Berry, Guarantee Trust Building, Atlantic City. Owner, Wm. J. Hay, on premises. Brick, 3 stories, 25x68 feet, slag roof, hot water heating, electric lighting, fire doors, dumb-waiters, tile floors. Plans in progress.

Power House (alt. and add.), Baltic avenue, Atlantic City, N. J. Architect, Stout & Riebenack, Guarantee Trust Building. Owners, A. C. Sewage Co., Guarantee Trust Building, Atlantic City. Brick, 1 story, 85x100 feet, slag roof, steam heating, electric lighting, cement floors. Plans in progress.

Store and Apartments, Atlantic City, N. J. Architect, S. G. Robbins, South Tennessee avenue, Atlantic City, N. J. Owner, D. Grabu, Atlantic City, N. J. Brick and steel, 2 stories, 20x115 feet, slag roof, hot water heating, electric lighting, tile and hardwood floors, cabinet work, store fixtures, tile and marble work. Plans in progress.

Co., Witherspoon Building, Philadelphia, who will be ready for sub-bids in one month.

Residence and Garage, Princeton and Beach, Ventnor, N. J., \$15,000. Architect, S. G. Robbins, South Tennessee avenue, Atlantic City, N. J. Owner, J. M. Mauser, Atlantic City, N. J. Brick and stucco, 3 stories, 34x44 feet,

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tile roof, hot water heating, electric lighting, tile and hardwood floors, dampproofing. Contract awarded to Harry G. Seull, Sheen Building, Atlantic City.

Miscellaneous Construction News

Student Officers' Quarters, Marine Barracks, Norfolk, Va. Architect, private plans. Owners, U. C. Govt., Bureau of Yards & Docks, Navy Dept., Washington, D. C. Brick, reinforced concrete and steel, 3½ stories, 97x52 feet, slate and slag roof, metal lath, waterproofing, safety treads, tile and marble work, hollow tile (plumbing, steam heating and electric work separate bills). Owners taking bids, due November 11th. Irwin & Leighton, 126 North Twelfth street, are figuring.

Post Office and Courthouse, Birmingham, Ala. Architect, Jas. A. Wetmore, Treasury Dept., Washington, D. C. Owners, U. S. Govt., Treasury Dept., Washington, D. C. Marble, brick, stone and hollow tile, 1 and 3 stories, 359x165 feet, composition roof, cement, composition, marble and cork tile floors, metal lath, waterproofing and dampproofing, ventilators, tile and marble work, safety treads, cabinet work, terrazzo work (elevators reserved). Owners taking bids, due November 13th. Irwin & Leighton, 126 North Twelfth street, are figuring.

Store, 844 King street, Wilmington, Del. Architect, E. Canby May, Dupont Building, Wilmington. Owners, Wilmington Furniture Co., Wilmington, Del. Brick and steel, 3 stories, 68x100 feet, slag roof, steam heat, metal sash, elevators, store fixtures.

Factory (add.), Newport, Del., \$6,000. Architect, John E. Healy & Sons, 707 Tatnall street, Wilmington. Owners, Lightwell Steel Sash Co., Newport, Del. Frame, 1 story, 70x200 feet. Plans in progress.

NEW JERSEY Contracts Awarded

Fertilizing Plant, Paulsboro, N. J., \$100,000. Engineer, Seaboard Const. Co., Witherspoon Building, Philadelphia. Owners, I. P. Thomas & Sons Co., Drexel Building, Philadelphia. Steel and corrugated iron, 1 story, 150x300 feet, slag roof, metal sash, ventilators. Contract awarded to Seaboard Const.

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Saw Mill (add.), Wilmington, \$1,700. Architect, private plans. Owners, Joseph Bancroft & Sons Co., Wilmington, Del. Brick, 1 story, 25x50 feet, composition roof, electric light extension, steel sash. Owners taking bids.

Garage, Tenth and Washington streets, Wilmington, Del, \$8,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Studebaker Auto Co., on premises. Brick and steel, 1 story, 135x52 feet and 130x44 feet, slag roof, steam heating, combination lighting, metal lath, concrete floors, electric freight elevator, metal ceilings. Architect

taking bids. Pyle & Stannard, Joyce & Kerrigan and C. J. Dougherty, 2515 West Eighteenth street, all of Wilmington, Del., are figuring.

Residence and Garage Wilmington, Del., \$40,000. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, H. F. Brown, 800 Franklin street, Wilmington, Del. Hollow tile and stucco, fireproof, 2½ stories, 75x65 feet, garage, 1½ stories, 39x25 feet, tile roof (vapor heating, plumbing and electric work reserved), hardwood and tile floors. Contract awarded to M. Young, Overbrook, Pa.

MARYLAND

Construction News

Garage (add.), Montrose street, Baltimore, Md., \$8,000. Architect, Tred E. Beall, 306 St. Paul street, Baltimore. Owners, Cityco Realty Co., 2 Lexington street, Baltimore. Brick, 1 story, 45x250 feet, slag roof, steam heating, electric lighting, concrete floors. Plans about completed. Architect ready for bids.

Dormitory, Residence, Gymnasium and Swimming Pool, Bellona and Gittings avenues, Baltimore, \$60,000. Architect, Thomas Bond Owings, 347 North Charles street, Baltimore, and Thomas G. Machen, Fidelity Building (associated). Owners, University School for Boys, on premises. Frame, 40x130 feet, 40x80 feet; pool, 40x80 feet; shingle roofs, steam heating, electric lighting, concrete pool. Plans in progress.

Residence, Guilford, Baltimore, Md., \$50,000. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owner, William Whitridge, Keyser Building, Baltimore. Brick or hollow tile, 3 stories, slate roof, electric lighting. Plans in progress. Too early for details.

High School, Philadelphia road, Baltimore, Md., \$90,000. Architects, Smith & May, Calvert Building, Baltimore, Md. Owners, School Commissioners of Baltimore County, Towson, Md. Brick and stone, 3 stories and basement, slate roof, steam heating, electric lighting, tile work, slate blackboards, iron and steel. Plans in progress.

Garage (add.), Govans, Md. Architects, Sparklin & Childs, Law Building, Baltimore,

Md. Owners, Linthicum Garage, Govans, Md. Brick, 1 story, 45x108 feet, slag roof, steam heating, concrete floor and foundation (electric work reserved). Plans completed. Singer Pentz Co., Equitable Building, Baltimore, Md., taking sub-bids on all lines.

Residence, Guilford, Baltimore, Md. Architect, E. L. Palmer, Munsey Building, Baltimore, Md. Owner, Albert Schauman, 1509 Edmondson avenue, Baltimore. Brick and stucco, 2½ stories, tile roof, hot water heating, electric lighting, tile work, hardwood floors. Architect taking bids, due November 17th. The following are figuring: E. G. Turner, 15 East Fayette street; Gladfelter & Chambers, Thirty-sixth and Roland avenue; G. Walter Tovell, Eutaw and McCulloh streets; Cowan Building Co., 106 West Madison street, and Roland Park Co., Roland Park, Md.

Store Building, Gilmore street and Edmondson avenue, Baltimore, Md. Architects, Haskell & Barnes, 301 North Charles street, Baltimore. Owners, William J. Tickner & Sons, North and Pennsylvania avenues, Baltimore. Brick and stone, 2 stories, 21x72 feet, slag roof, electric lighting, tile work (electric elevator and heating reserved). Architects taking bids. The following are figuring: B. F. Bennet Building Co., 123 South Howard street; P. J. Cushen, 217 St. Paul street; Price Concrete Const. Co., Maryland Trust Building; George Bunnecke & Son, 305 St. Paul street; Consolidated Engineering Co., Calvert Building; Charles Herbold & Son, 2768 West North avenue, all of Baltimore.

steam heating, electric lighting. Contract awarded to Luther E. Gerwig Co., 2238 West North avenue, Baltimore.

Residence, Guilford, Md. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owner, J. Walter Lord, Maryland Trust Building, Baltimore. Hollow tile and stucco, 2½ stories, 29x49 feet, slag roof, electric lighting, tile work (heating reserved). Contract awarded to John Waters Building Co., 23 East Center street, Baltimore.

Garage, Guilford, Md. Architect, E. L. Palmer, Munsey Building, Baltimore, Md. Owner, D. C. Ammidon, 4014 Greenway, Baltimore, Md. Brick, 2 stories, tile roof, combination lighting, reinforced concrete work. Contract awarded to G. Walter Tovell, Eutaw and McCulloh streets, Baltimore.

Parish House, High, Trinity and Albemarle streets, Baltimore. Architects, Haskell & Barnes, 301 North Charles street, Baltimore. Owners, Italian M. E. Church, City Mission and Church Extension Society of M. E. Church, on premises. Brick, 3 stories, 18x100 feet, tile roof, steam heating, electric lighting. Contract awarded to John Waters Building Co., 23 Center street, Baltimore.

Warehouse, rear of Broadway near Oliver street, Baltimore, \$2,400. Architects, Sparklin & Childs, Law Building, Baltimore. Owners, John F. Deal & George W. Deal, 1516 North Register street, Baltimore. Concrete, steel, 3 stories, 17x90 feet. Contract awarded to Henry L. Maas, 1119 Ensor street, Baltimore, Md.

A PLEA FOR A BETTER SYSTEM OF ESTIMATING.

(Continued from page 734.)

arise largely from bidders' mistakes in figuring, because accuracy has to be so often sacrificed for an ill-advised speed. A large proportion of these mistakes occur in the hurried figuring of the "quantities" by bidders. Some of us, when we have the opportunity of looking behind the scenes, so to speak, become appalled at the resultant effects of existing practices, such as the enormous waste in time and money in useless figuring, disputes, harassing conditions, hard feeling, lack of confidence, delays, suits at law and so forth, nearly all of which may be avoided by adopting more conservative modern methods in our preparatory work, before contracts are let.

Contract Cost.

Further interpretation of plans and specifications should, in common fairness to both parties to the contract, be made wherever possible, before a contract is let, and not be left until afterwards, nor to be done "as directed." Notwithstanding the fact that over forty per cent of the entire population of our cities are dependent directly or indirectly upon the construction of buildings, yet the methods generally followed to determine the important question of contract cost, are those used generations ago; they come to us as a tradition from the period when

MARYLAND

Contracts Awarded

Factory, Highlandtown, Baltimore County, Md., \$285,000. Architect, Otto G. Simonson, Casualty Tower, Baltimore, Md. Owners, Crown Cork and Seal Co., Baltimore. Brick, steel, concrete and terra cotta, 6 and 5 stories, 39x362 feet and wing 81x152 feet, slag roof, tile and corrugated iron roof, cement floor, metal sash, waterproofing, fire doors, safety treads, tile and mable work, rolling steel doors (mechanical equipment separate bids). Contract awarded to Longacre Const. Co., Widener Building, Philadelphia.

Factory Building (add.), Hamburg and Bayard streets, Baltimore. Architect, private plans. Owners, Baltimore Gas Appliance Co., on premises. Brick, 1 story, 70x80 feet, slag

roof, concrete floors. Contract awarded to B. F. Bennett Building Co., 123 South Howard street, Baltimore, Md.

Building, foot of Hanover street, Baltimore, Md. Engineer, Mr. Birmingham, care of H. Taylor, Munsey Building, Baltimore. Owners, Maryland Tube Co., on premises. Brick, steel and concrete, 1 story, 70x240 feet, slag roof, steel sash, cement work (heating and lighting reserved). Contract awarded to Price Concrete Construction Co., Maryland Trust Building, Baltimore, Md.

Residence, Ten Hills, Md., \$10,000. Architect, J. R. Gerwig, 1811 Ashburton street, Baltimore, Md. Owner, A. C. Wiley, Ten Hills, Md. Frame, 2½ stories, slate roof,

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tallow candles were used. Whilst we have made wonderful strides in constructive methods and materials, and, let us hope, in design, little or no attention has been given to standardizing estimating methods.

We seem to have been too busy "speeding up," to regard seriously the advantages of economy, when it comes to spending money on construction. In the end, of course, it is the owner, the financier, who suffers. There are, however, indications as the result of the movement initiated in San Francisco, that more conservatism and a closer adherence to business principles are going to be preferred by the moneyed interests in place of the guess work and gambling methods which they have overlooked in the past.

Advantages of Quantity System.

Among the advantages and improved methods of estimating afforded by the quantity system may be mentioned:

First, the enormous saving of time and money now wasted by numerous bidders all doing the same thing, going over the same ground.

Second, safer bids will be made, as the volume of work to be performed is clearly indicated by the bill of quantities, which is the essence of the contract.

Third, no expense to the bidder, the owner pays for his own quantities "knowingly," and they benefit him as well as the contractor. The owner pays now, but this fact is not emphasized or brought to his attention, and so he does not know it. The percentage added to a bidder's net cost is not all profit, a certain portion of such percentage is absorbed in costs of running his business and similar overhead charges, which ultimately are, of course, paid by the owner.

Fourth, saving of disputes arising from extra claims which often occur through vagueness of drawings, and omissions, or other error in specifications.

Fifth, better opportunities for the careful, competent bidder. With the quantity system the bidders all work up from the same basis. The incompetents

cannot omit or forget their painting, glass or other items, and so take work away from more careful or competent bidders.

Sixth, better work and more harmony will result, for the reason that if no part of the work has been omitted, there will be less temptation to "let up" on the work, which usually results in dissatisfaction, if not friction or worse.

Seventh, misunderstandings reduced to a minimum. The bill of quantities is the "interpreter" of what is intended, a sort of clearing house for the drawings and specifications.

Eighth, neither party to the contract can obtain any advantage over the other on quantity or description of work.

Ninth, no disputes with sub-bidders, it being clearly stated what each trade is to furnish.

Conservation of Time.

Tenth, contractors having much less figuring to do can then devote more time and give more attention to buildings in hand, and especially in supervising and directing their sub-contractors, which is much wanted now.

Eleventh, owners and architects would

be less liable to have inferior contractors as the lowest bidders.

Twelfth, fewer extras. These are usually a trouble to all concerned. Should any occur, they can be adjusted easier if the schedule prices govern in such cases.

Thirteenth, the architect or engineer, if he so desires, can have the advantage of collaboration with the professional quantity surveyor, who also would be available when preliminary figures are required, which information is now so often furnished by the contractors, thereby creating an undesirable obligation.

Fourteenth, no change or re-organizing of architects' or engineers' offices necessary, whilst much detail work, now involved when taking figures, will be taken care of by the quantity surveyor's office.

Fifteenth, when contracts are signed, the drawings and specifications will previously have been made as complete as it would be possible to make them, thereby avoiding subsequent inconvenience to the contractor and his foreman on the job, and doing away largely with inquiries at the architect's office by contractors during progress of the work.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Garage, 859 Church lane. Albert MacKenan (O), on premises. Thos. J. Carberry (C), Heed Building. Brick, 1 story, 18x80 feet, slag-roof.

Garage, 5444 Sansom street, \$300. Mark Rush (O), 5943 Walnut street. M. Moister Co. (C), 3931 North Fifth street. Iron, 1 story, 16x16 feet.

Building, 209-11-13 North Fifth street, \$35,000. Henry Rahner (O), Fifth and Race sts. Geo. L. Lipps (C), 912 Locust street. Brick, 4 stories, 17x57 feet, slag roof.

Shop, 222-24 North Twenty-second street, \$1,000. Harry Saunders (O), 31 South Eighteenth street. Smith Hardican Co. (C), 1606 Cherry street. Brick, 1 story, 30x120 feet.

Hotel Building, 1429-33 Walnut street, \$600,000. Samuel Brumbaugh (O), 1435 Walnut street. P. Kelly (C), Lippincott Building. Brick, 15 stories, 55x55 feet, slag roof.

Moving Picture Theatre, Sixty-first and Vine street, \$3,000. Ives & Zyner (O and C), 6015 Vine street. Steam heating system.

Plumbing shop, 1332 McKean street, \$600. Rayner & Rayner (O), 1330 McKean street. John When (C), 2242 South Twenty-third street. Brick, 2 stories addition, 16x80 feet.

Dwelling, 1156 South Fifteenth street, \$900. Mary Percival (O), 2332 South Broad street. Chas. Davis & Son (C), 1500 Ellsworth st. Minor interior alterations and repairs.

Tank supports, Somerset and Tulip streets, \$300. John Garnet & Sons Co. (O), on premises. (S. G. Matthews (C), 916 North Ninth street. Tank supports.

Store and dwelling, Marvine and Venango streets, \$300. Chas. Kenney (O), 1028 Smedley street. John Schusler (E), 3552 North Fifteenth street. Brick, 2-story addition, 14x10 feet, slag roof.

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Pavilion, west of Enefeldt street, \$10,000. H. McLaughlin (O), Chestnut Hill. Fred Paulson (C), 7500 Island road. Stone, 1 story, 36x200 feet, slag roof.

Garage, Broad street and Sixty-fifth avenue, \$1,200. Albert M. Peice (O), on premises. Harry Welinger (C), 1004 West Lehigh avenue. Brick, 1 story, 16x32 feet, slag roof.

Dwelling, Fifty-third and Woodbine avenue, \$14,000. Wm. Hudson (O), Sixteenth and Glenwood avenue. John Speth (C), 1714 Sansom street. Stone, 3 stories, 45x32 feet, slate roof, hot water heating.

Building, Tenth and Cherry streets, \$400,000. Gamesy & Schwartz (O), 263 North Broad street. Cramp & Co. (C), 801 Denekla Building. Brick, 10 stories, 137x137 feet, slag roof.

Building, Broad and Girard avenue, \$22,000. Clarence Marke (O), 146 North Thirteenth street. McCloskey & Bahles (C), 1620 Thompson street. Brick, 2 stories, 20x22 feet, slag roof, hot water heating.

Garage, 923 Wynnewood road, \$800. W. P. Johnston (O and C), 4039 Lancaster avenue. Brick, 1 story, 16x21 feet, slag roof.

Garage, 927 Wynnewood road, \$800. W. C. Johnson (O and C), 4039 Lancaster avenue. Brick, 1 story, 16x21 feet, slag roof.

Garage, 933 Wynnewood road, \$800. W. P. Johnson (O and C), 4039 Lancaster avenue. Brick, 1 story, 16x21 feet, slag roof.

Garage, 1053 Wynnewood road, \$1,000. W. P. Johnson (O and C), 4039 Lancaster avenue. Stone, 1 story, 16x21 feet, slag roof.

Garage, 5149 North Camac street, \$830. A. G. Bachson (O), 5144 North Camac street. Conneen Const. Co. (C), 1829 Filbert street. Stone, 1 story, tile and slag roof, 17x20 feet.

Dwellings (10), 6502-4-8-10-16 North Eighth street, \$33,100; 6506-6512 North Eighth street, \$12,000; 6500-6520 North Eighth street, \$12,000; total, \$57,000. Stephen Falm (O), Cheltenham avenue, east of York street. Herbert Hope (C), 5901 York road. Brick, 3 stories, 27x46 feet, slag roofs, hot water heating.

Garage, Eleventh and Cheltenham avenue, \$650. A. Hagerman (O), Eleventh and Cheltenham avenue. Fred Graupner (C), Wagner avenue and Tabor road. Stone, 1 story, slate roof, 18x22 feet.

Alterations and Additions

Offices, 1609-11 Filbert street, \$10,000. P. R. R. Co. (O), Broad Street Station. Harry Rust (C), 19 South Eighth street. Elevator shaft, new roof.

Dwelling, 1235 North Marshall street, \$300. Rothstein Co. (O), 871 North Seventh street. Max Sussman (C), 606 North Franklin street. Interior alterations.

Dwelling, Edson avenue, east of Cemetery lane, \$4,500. Wm. Worthington (O), Lamber-ton, Pa. Chas Ely (C). Frame, 2 stories, shingle roof, 24x51 feet.

Store and dwelling, Seventh and Master streets, \$2,200. J. M. Windsob (O), 926 Pine street. J. Rose & Son (C), 5121 Brown st. Rebuild bulks, new partitions.

Electric sign, Eleventh and Market streets, \$600. Archibald Estate (O), Tenth and Chestnut streets. Century Mfg. Co. (C), Elizabeth, Pa. Electric sign.

Residence, 368 Church lane, Germantown, \$500. B. F. Mechling (O), Seventh and Glenwood avenue. H. L. Hoover (C), Tenth and Cherry streets. Repairs.

Saloon, 4245 Main street, \$775. Geo. Loughrey (O), 123 Sumach street. Elmer

Dwelling, Stenton avenue, south of Evergreen avenue, \$7,850. Mrs. C. Drayton (C), 34 West Gravers lane. George A. Boyd (C), 5012 Schuyler street. Brick, 3 stories, 28x38 feet, slate roof, hot air heating.

Garage, 720 North Marshall street, \$500. Jos. Harvey (O and C), care Columbia Mills, Fifth and Columbia avenue. Brick, 1 story, 8x12 feet, concrete roof.

Garage, Atlantic street, west of Seventeenth street, \$12,000. Emanuel Weil (O), 3645 North Twenty-first street. Baily Lush Co. (C), 201 North Broad street. Brick, 1 story, 108x140 feet.

Garage, 4377 Manayunk avenue, \$400. John Regetta (O and C), on premises. Brick, 1 story, 16x18 feet.

Garage, Oak lane, east of Thirteenth street, \$1,000. Alfred Llanton (O), Thirteenth and Oak lane. P. A. Waltz (C), 6610 North Seventh street. Brick, 1 story, 60x30 feet, slag roof, 1 story rear addition.

Dwelling, Eleventh street and Rising Sun lane, \$11,751. Mrs. Hanna Gallagher (O), on premises. V. Cerosile (C), 1231 Christian street. Brick, 2 stories, 76x48 feet, slag roof, steam heating.

Factory, Butler and Janney streets, \$8,000. Belmont Packing Co. (O), on premises. Freund Const. Co. (C), 307 Bulletin Building. Brick, 1 story, 76x76 feet, slag roof, steam heating.

Dwelling, Tenth street, south of Champlost avenue, \$3,200. K. Spicher (O), 1530 Butler street. Frank Burkholden (C), 1323 Champlost avenue. Brick, 2 stories, 16x45 feet, slate roof, hot water heating.

Machine shop, Wissahickon avenue and Bristol streets, \$40,000. Midvale Steel Co. (O), 4300 Wissahickon avenue. Barclay White & Co. (C), 1713 Sansom street. Brick, 1 story, 135x162 feet.

Dwelling (2), Eastwick avenue, east of Eighty-eighth street, \$4,800. Chas. Bisch (O), Eighty-fourth and Eastwick avenue. Alex. McNally (C), Eighty-first and Suffolk avenue. Brick, 2 stories, 16x44 feet, slag roof, hot water heating.

Dwelling, 1318 Wakeling street, \$5,500. F. B. Pett (O), Wakeling street. Rimer & Byers, 4842 Hawthorne street. Brick, 2 stories, 17x34 feet, slate roof, hot air heating.

Cuthbertson (C), 334 Roxborough ave. New flush bulks.

Store and dwelling, 820 South Fourth st, \$800. Thos. A. Redding & Son (C), 709 Walnut street. Warren Bescoe (C), 3957 Ludlam street. Flush bulks, repairs.

Store and dwelling, 450 East Girard avenue. John Fletcher (O), on premises. Samuel Sanders (C), 519 Richmond street. Repairs, flush bulks.

Store and dwelling, Umbria street, south of Fountain street, \$300. Eugene Sabo (O), 4662 Umbria street. Wm. A. Betz (C), 4403 Baker street. Flush bulks.

Store, 519 Market street, \$400. Merchant Union Trust Co. (O), Chestnut street. Eagle Const. Co. (C), Drexel Building. Double bulk windows.

Store and dwelling, 7 and 9 North Second street, \$450. Max Sheetz (O), on premises. Max Shaffer (C), 602 Hoffman street. Alterations.

Offices, 1709-11 Filbert street, \$5,000. P. R. R. Co. (O), Broad Street Station. Harry Rust (C), 19 South Eighth street. Six-story fire tower, 6x18 feet.

Store and dwelling, 516 Catherine street, \$300. Machall Cardiglione (O), on premises. A. Rosenbaum (C), 1013 Jackson street. General repairs.

Store and dwelling, 222 West Erie avenue, \$1,500. John Betz & Son (O), 415 Callowhill street. J. W. Casnew (C), Laurel Springs, N. J. Alterations and repairs.

Store and offices, 7 West Cheltenham avenue, \$700. Phila. Electric Co. (O), 7 West Cheltenham avenue. R. M. Peterson & Son (C), 5250 Wakefield street. Flush bulk, repairs.

Kitchens (2), 1117-1119 Carpenter street, \$300. James Diodardi (O), 1117 Carpenter street. John Gravina (C), 1428 South Thirteenth street. Brick, 1 story addition, 13x12 feet, slag roof.

Chimney, Hunting Park avenue and King street, \$3,525. Ed. G. Budd Mfg. Co. (O), Hunting Park avenue and Penna. R. R. H. R. Hunicke, Inc. (C), Drexel Building. Brick, chimney, 142 feet high.

Dwelling house, 263 North Sixth street, \$650. E. Armstrong (O), Delaware. John Tierney (C), 224 Stamper street. Fire escape.

Store and dwellin, 1725 East Passyunk avenue, \$425. Abe Eptens (O), 1805 East Passyunk avenue. Max Beaumey (C), 3042 West York street. Brick, 2-story addition, 12x5 feet.

Manufacturing Building, 916 Cherry street, \$8,530. Evan Badger (O), 1224 South Broad street. Harry Drake (C), 3139 Frankford avenue. Elevator shaft, 3 stories high.

Manufacturing building, 2532 North Second street, \$600. Tarsamia Mfg. Co. (O), 2534 North Second street. Wm. Freling (C), 2553 North Fifth street. Two story addition, 20x28 feet, slag roof.

Church, Seventeenth and Cayuga streets. Kyvet M. E. Church (O and C), on premises. Alterations.

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 24, 1916.—Sealed proposals will be received at this office until 3 P. M. November 28, 1916, and then opened for remodeling the U. S. Post Office, Beaver Falls, Pa., in accordance with drawings Nos. 1-A and 2-A and specification, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

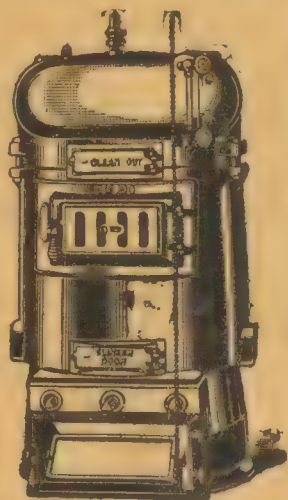
TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 1, 1916.—Sealed proposals will be opened in this office at 3 p. m., November 29, 1916, for the construction of mezzanine floors and certain alterations, etc., at the United States postoffice and courthouse, Philadelphia, Pa. Drawings and specifications may be obtained from the custodian at Philadelphia, Pa., or at this office, in the direction of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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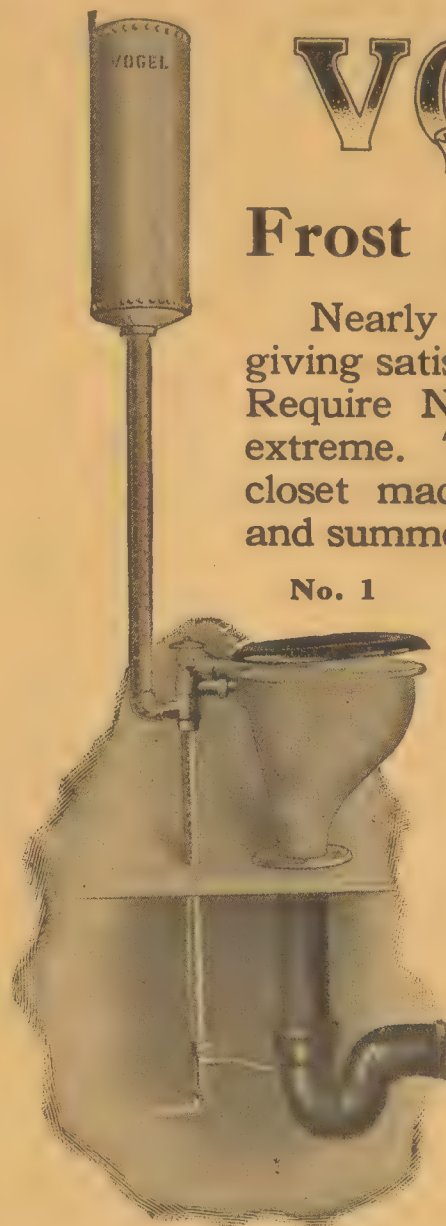
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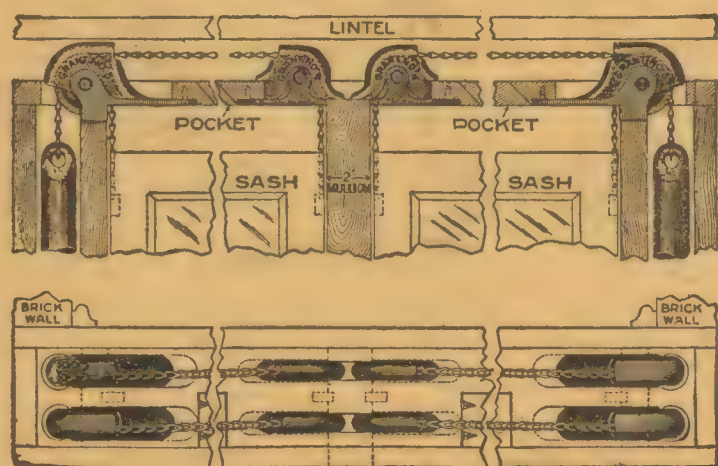
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Builders' Guide

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ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXXI., No. 46.

PHILADELPHIA, WEDNESDAY, NOVEMBER 15, 1916.

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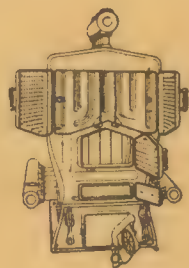
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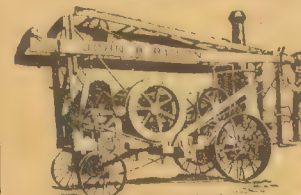
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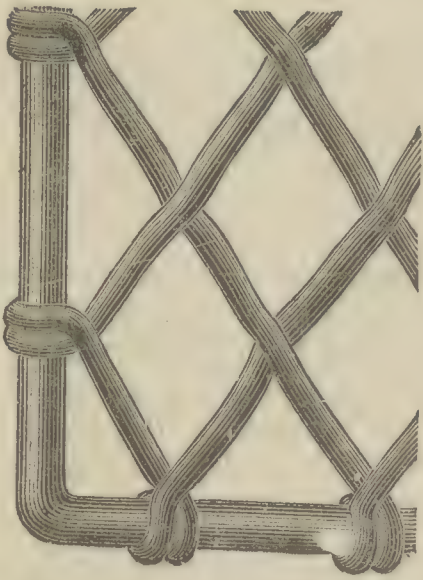
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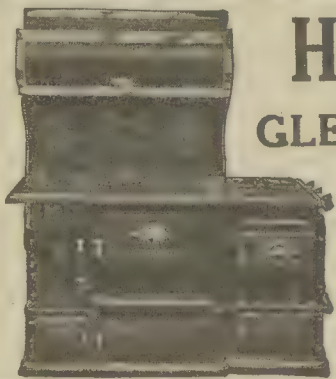
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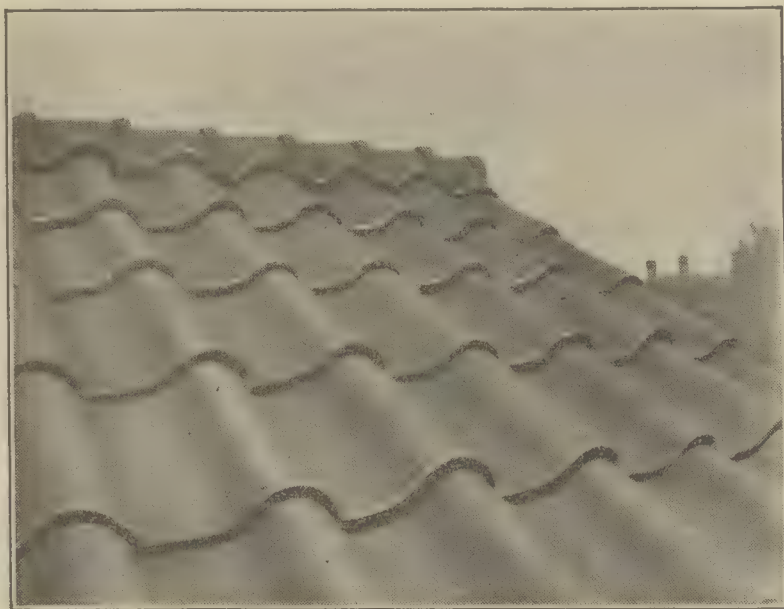


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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
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VOLUME XXXI
Number 46

PHILADELPHIA
November 15, 1916



As The Editor Sees It



THE complaint that our American urban architecture, while beautiful as to form and ornamentation, lacks painfully in color is heard again, this time from one Jerome S. Blum, a painter but recently returned from the Orient. To an interviewer who waited on Mr. Blum in the interest of one of the daily newspapers that interesting gentleman is quoted as saying:

"A big renaissance is coming in the United States. We are moving that way, but it will not come until we learn to love color, life and gaiety more. Everything is so gray, so drab. Look at an American city. Look at our architecture, huge piles of stones, ugly, uninspiring—the sight pains me. I look to see color in our building; then I shall begin to hope for us!"

"Pink skyscrapers?" interposed the interviewer.

"And why not?" he asked, vehemently. "Everything should be a blaze of color. Artists should design the buildings. Pink notes could be introduced and little green shutters and red roofs and purples—our clothing should be brighter. Men should not go so somberly clad——" He broke off as though the idea was too much for him.

"Something big is coming to the United States as the result of the war," he continued. "Daring spirits will seek encouragement here. We must be sympathetic. Europe is depleted. You ask what of the new art? Well, the art of to-day expresses the life of to-day. Much of it is heretic; chaotic; much of it will not last. It is tentative. A great deal will be discarded. Your little so-called futurists, cubists and vorticists, those who disguise their lack of ability by sensational paintings, are retarding the modern art movement. They are the men who haven't the power to do a real thing and so their works are de-

scribed as 'naïf,' 'chic.' Bah!" Mr. Blum spat out the word disgustedly.

* * *

IF Mr. Blum has his way our architecture will go in strong for color. We shall have skyscrapers in mauve and old rose, country houses to match in shade milady's gown, great modern hotels whose exterior color schemes will follow from season to season the prevailing modes. Our cities will resemble a Persian rug, our suburban communities a riot of contending tints. It will be disconcerting after the drabness and austerity of colonial tradition, but it will be art—the new art,—with a capital "A," and everybody will be happy, including, we may suppose, Mr. Blum.

* * *

IN an editorial note on the need which exists for new elevators in the Philadelphia City Hall, *The Evening Bulletin* observes:

"Three big blunders have been perpetuated in City Hall to demonstrate how little the easy-going commissions who directed the plans for the structure knew of the logic of architecture. The first is in the location of the building as a permanent obstacle planted midway in the city's two most imposing streets. The second is the mansard roof which mars the building outwardly and confuses facades which otherwise might have dignity and consistency. The third is the elevator system crowded into dim and narrow corners while the great wells in the corner towers, where the famous hanging stairways are placed, offer the most practical space for elevators conceivable by the mind of a scientific builder."

After pointing out that the mansard roof cannot be removed and that the City Hall is likely to remain for some years to come on its present site *The Bulletin* suggests that the third of "the three colossal mistakes" may be and should be

remedied in the setting up of an entirely new bank of elevators where these should have been placed at the outset, viz., in the corner towers.

What, pray, in the event of adoption of the *Bulletin's* suggestion is to become of the granite hanging stairways, one of the few, unique and notable features of the city's municipal building? Are these to be scrapped or set up elsewhere or what?

* * *

I HAVE had occasion more than once to quote in these columns from the shrewd, kindly and splendidly informed articles on the building game written by Mr. Theodore Starrett for *Architecture and Building*.

Mr. Starrett's most recent effort carries the caption "Middlemen All" and is fully up to the Starrett standard,—which is saying a great deal.

His theme is that in the game of life as played in the big city we are all middlemen. "The employer in the building trades in particular," writes Mr. Starrett, "is a middleman who would seem to have no friends. To begin with, he is made out of money and about the best thing that a trade union, for instance, can do is to take his money away from him by a successful strike for higher wages. It is true that workmen lay the flattering unction to their souls when they campaign for increased wages that their employers will not have to pay; on the contrary the volume of their business will be increased and their profits increasing with it will be more than ever. Theoretically this may be true; actually it has a chance to be true when a raise of wages is fixed for some future time sufficiently distant to enable the employers to adjust themselves. But the actual fact is that the employers are men who must keep going, and when the increasing cost of everything that goes into building, for instance, is met by the in-

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evitable resistance from the purchasing end—that is from those who buy from the builders, in other words the owners—it produces, as I believe, greater hardships in the building line than in any other.

As I have already said, the building business is subject to a double competition,—the owner or principal hiring an architect or agent who stands between the principal and the builder or contractor, who actually conducts the work. The architect or agent is oftentimes in a delicate position wherein he is subject to misunderstanding and suspicion from his principal. "Sometimes the architect has built up his reputation by his success in getting the builder to do work at a loss and by so manoeuvring as to prevent the builder's ruin from entangling his clients."

* * *

ANOTHER hardship of the building business is very often the difficulty of making settlements. An architect has to give his certificate before final payment is made. The architect is not the actual purchaser, and he feels none of the responsibility toward the contractor that in ordinary business the buyer feels toward the seller. The owner, on the other hand, does not as a rule feel the responsibility that in ordinary business the buyer feels toward the seller because the owner is doing something that he knows nothing about and he depends upon the architect. It is a very common experience for the settlement of a building contract to be delayed for months and sometimes a year or more, waiting for things to be done over again or for small defects to be made good, the retained amount being out of all proportion to the value of work undone.

"The contractor gets no thirty, sixty or ninety days' time from his workmen. It is pay on the dot or strike.

"My sympathy goes out to the employer in the building business.

"And this talk about the middleman is a case of the pot calling the kettle black."

* * *

CHARLES M. SCHWAB does not expect any sudden change in manufacturing condition in this country immediately upon the conclusion of peace in Europe, but if within six months or a year after the close of the war new markets have not been prepared to absorb the production that the war orders have engendered, he fears an industrial collapse will ensue.

"If the war is to continue several years longer, as seems probable, speculation at this time upon what will be prevailing

industrial conditions afterward has a very uncertain basis of fact to start from. But there is a reasonable curiosity as to the prospect of business on the continent of Europe at that time for American building materials, including, of course, steel and other metal products, besides lumber and cement."

* * *

IN France, at least, it is obvious that there must be a large amount of reconstruction. Eight hundred communes have so far been seriously damaged, 2,500 are still occupied by the invaders, together with nine-tenths of the iron mines, and a large proportion of the iron foundries of the country. Until these works are re-established, France will not be prepared to furnish much material of a metallic nature for her own use. Only within the last three or four months has building work been resumed in Paris, and advices from there are to the effect that steel is almost out of the question for private work, and timber is almost double its former price; cement, bricks and all those materials requiring labor, coal and machinery for their production are very costly."

"In consequence, there will be from France immediately after the close of the war, and also from Belgium, a great demand for materials of reconstruction. In Germany and Austria-Hungary there will be extreme need of miscellaneous commodities which America can furnish, even if the war should not devastate their cities as it has the cities of France and Belgium. But ocean freights will continue high after the war, and if the existing customs duties stand, it is doubtful if very many kinds of common building supplies can be delivered to Europe

at much less cost to the consumer than the home products."

* * *

FURTHERMORE, the devastated countries will do their best to protect their own workers and merchants. American manufacturers will likely find that among the new requirements the greatest call from overseas will be for useful specialties, such as cannot be quickly produced abroad, like plumbing supplies and machinery. For those food supplies, raw materials and semi-finished articles which Europe always has required from America, there will, of course, be for a long period of time a multiplied demand. New domestic business should replace whatever falling off there will be in the European steel trade, and to this will be added the miscellaneous trade with other lands that our exporters will have built up in the meantime."

"Many possible contingencies arise when questions are studied at long range. The only thing one can be reasonably sure of is that there will be for a considerable period after the war a continued trade with Europe of extraordinary proportions (even if its constituent parts cannot be accurately foreseen), in supplying the things necessary to repair the material ravages of war. But when that begins to fail, there must be new business to take its place, or there will follow a readjustment of economic affairs not at all to our liking. Some readjustment of commodity prices is inevitable and necessary, but the time when it may be expected is remote and indefinite. In all probability an amount of domestic business will be waiting for the lower scale of prices that will keep the country busy for a further period of years."

EDITORIAL NOTES

Many public improvements are advocated in a printed report of the Permanent Committee on Comprehensive Plans, which has just been distributed. Some of the suggestions have been put into effect since the committee first approved them. These include dividing the city into zones for regulation of buildings, limiting the height of buildings on the Parkway, and regulating the parking of motor cars in the central part of the city. The committee advocates the establishment of a Municipal Publicity Commission, to advertise the city at home and abroad.

* * *

Louis Otto Heiland, secretary of the Board of City Trusts, was the guest of

honor at the regular weekly luncheon of the Master Builders' Association, held at the Builders' Exchange, 20 South Seventh street. Mr. Heiland outlined some of the work that has been accomplished by the Board of City Trusts in recent years. About seventy-five members attended. Thomas Armstrong, a former president of the organization, acted as toastmaster.

* * *

The American Steel and Wire Company has advanced prices 15 cents a hundred, or \$3 per ton, making nails \$2.85 a hundred, plain wire \$2.80, painted barbed wire \$3 and galvanized barbed wire \$3.70.

The \$31,942,000 Bethlehem Steel Company purchase money and improvement mortgage 5s, of which bankers are selling \$16,000,000 at 100½, have ahead of them \$16,949,000 of other bonds. The company proposes to expend \$60,000,000 within four years in extending the properties now under the mortgage.

* * *

Through the recommendation of Mayor Smith the size and character of buildings to be constructed within 200 feet of the Parkway will be determined by the zoning commission and the Fairmount Park Commission, acting jointly.

It is said to have been the desire of the Fairmount Park Commission to permit no building, except a church, to be erected within 200 feet of the Parkway that would be more than 245 feet high and one-third as wide as its height.

Through questions asked by Mayor Smith, who wanted to know what progress the commission is making with the proposed \$4,000,000 Art Museum which is to go on the Parkway, it was explained by Price that three architects of New York City, Arnold H. Bruner, John Russell Pope and B. N. Fennell, had recommended changes in the plans for the building, affecting the architectural design, principally.

* * *

Fire tests of all kinds of building walls and partitions, which are expected to have an important bearing on all fire-resisting building construction, have been arranged by the United States Bureau of Standards. They will be carried out with a newly installed panel furnace recently constructed at the bureau's laboratories, which is the most complete and largest plant for such work ever built.

Details of the tests, such as types and dimensions of partitions, temperature to which they are to be exposed, time of exposure to fire, the water test to which the heated partitions should be subjected and other regulations, have been worked out by a committee representing the American Institute of Architects, the American Society for Testing Materials, the National Board of Fire Underwriters, the Associated Metal Lath Manufacturers, the Gypsum Industries Association, the National Brick Manufacturers' Association, the Association of American Portland Cement Manufacturers, the Fire Underwriters' Laboratories, the American Concrete Institute, the National Fire Protection Association and the National Lime Manufacturers' Association.

* * *

As one of the lectures for the Department of Education of the City of New York, Professor Alfred D. F. Hamlin, of Columbia University is giving a course

of public lectures on "The Architecture of Great Cities" at Pilgrim Hall, Manhattan (Broadway and 56th street). The cities on which he will speak and the dates are: Venice, Nov. 13; Florence, Nov. 27, and Paris, Dec. 11. The lectures, illustrated by stereopticon, will begin at 8.15, unless otherwise announced.

Professor Hamlin's course is one of many in a wide variety of fields offered by the New York Department of Education in its efforts to provide instruction for the adult population of the city. Other architectural lectures will be entitled: "A Glimpse at the History of Architecture," "Public Art in Foreign Cities and in America," and "History of Architecture as Seen in New York City Buildings."

* * *

The Tenth Chicago Cement Show will be held in the Coliseum, February 7 to February 15, 1917. Less space will be available for the coming show than was devoted to last year's show and this will mean there will have to be a concentration of exhibits and each exhibitor is asked by the management to apply for the smallest amount of space that will accommodate his exhibit, so that the number of disappointed applicants will be reduced to a minimum. The cement companies will probably have a joint exhibit as last year. This will be of an educational nature to increase the interest of the general public in the possibilities of concrete. There will be several other activities connected with the building field occurring in Chicago at the same time as the cement show, such as the annual conventions of the National Builders' Supply Association and the Illinois Lumber and Builders Supply Dealers' Association.

* * *

Plans for the beautification of the Parkway, to make it one of the most artistic and magnificent in the country, if not in the world, for its full length from the entrance at Broad and Arch streets to the new Art Museum that will crown the hill at the entrance to Fairmount Park, are announced by Director Datesman, of the Philadelphia Department of Public Works.

The plot of ground from Broad to Arch streets and through to fifteenth will contain a long colonnade and bandstand, while a fountain, costing about \$100,000, surrounded by gardens, will greatly enhance the beauty of the southern end of the Parkway.

On suggestion of the art jury, the statues now scattered around the public buildings will be placed at points of vantage on the Parkway. The statues which it is planned to remove are the

equestrian figures of General Reynolds, President McKinley, the Pilgrim, Muhlenberg, Bullitt, Girard and Leidy.

"Among the striking features of the finished Parkway," said Director Datesman, "will be the Soldiers and Sailors' monument at the intersection of Nineteenth street and the Parkway, for which a sum of \$90,000 is available from the loan approved in 1911.

"Plans are also being made for South Philadelphia and the entrance to the Philadelphia navy yard will be beautified. The overlook facing the navy yard has been planned on artistic lines providing a fitting terminus, with a suitable monument as a crowning feature to the vista along Broad street."

WHAT IS A FACTORY?

Building Managers Draw Up Definition for Labor Law Amendment.

The Executive Committee of the New York Building Managers' Association has drawn up a definition of a factory building which will be offered as a suggestion to the Board of Standards and Appeals, which is planning to frame a proposed amendment to the labor law, defining a factory building. The definition is:

"A factory building is a building in which fifteen or more persons are employed above the grade floor, in any process, or part of a process, of transforming or converting raw material, partly wrought material or imperfect material into forms suitable for use."

One secret that has been fairly well kept is the secret of success. Strange, too, when so many people are anxious to tell about it.

BUILDERS' GUIDE

FORMERLY

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Irving Dillon.....Editor

THE FALLACY OF FREE PLANS.

By Noble Foster Hoggson.

When, after many mental flights of enthusiastic exhilaration, a man makes up his mind definitely to proceed with a building operation, the first thing he thinks of is the matter of planning. He knows pretty well what he wants. He has been contemplating the project for a considerable length of time; he has the site and a certain sum of money which he expects to put into the operation. All preliminaries have been decided. He prepares to go shopping.

He has heard of "free" plans. Some one has told him that, by having several sets of sketches made by different architects, he may determine which architect displays the ability to best carry out his ideas and desires. So he gets in touch with a number of architects. He frankly tells each of them that it is a matter of competition, and that the plans which seem to suit his needs best will be selected; that only the winner of the competition will be paid for his work.

Only one of these architects has a chance to secure the commission for the proposed building operation. One of them will win; all the others will lose; and strange as it may seem, the owner has obtained nothing "free."

It is considered unethical for an architect, who is a member of the American Institute of Architects, to submit in a competition, plans for which he is to receive no remuneration. Nevertheless the evil of "free" plans—and it is an evil—still flourishes, more or less openly. This is true, despite the vigorous efforts made by the various State and national architectural organizations, not only to discourage the practice, but to eliminate it entirely.

The owner spoken of above, who thought he had received something for nothing, was like most people laboring under that impression—he had not. Free plans are not free. When the successful architect in this little competition was awarded the commission, the owner assumed the cost that all of the losers had been put to. How? Because through the practice of competition the successful architect in this competition is possibly the unsuccessful member in many other competitions. In other words, the architect receives only one contract in several attempts. It costs him just as much to prepare the drawings for each of the unsuccessful attempts as it cost to prepare the drawings for which he is paid. Therefore, the order he obtains must bear the cost of those he does not get. The owner, in the building operation the architect secures, pays a proportionate cost of all the jobs upon which the architect has wasted his energy.

An owner should pay for one set of plans—his own. Every person who has the desire to build is inspired by an ideal. It is his sincere wish to build enduringly and to attain harmony in building. He begins with the intention of having his building operations conducted successfully, satisfactorily, speedily and economically. To obtain this result, build-

ing problems should be considered as a whole. The plans are a very important matter, but no more so than the other elements that enter later. If the plans are satisfactory, seeming to express the ideas of the owner and serving their purpose adequately, an important question to be answered is whether the intended structure can be erected for the amount that has been set aside for this purpose. And will that amount include the equipment, the furnishings and the decoration? If not, what additional amount will have to be added? Then is the time to decide these matters. The architectural part of any structure is the fixed, dominating element that controls everything else, the element to which everything else must conform. Once settled upon, it cannot be radically changed except at a great expense, and even then, only within certain limits. Decoration, for example, the "final touch," is too often neglected in the beginning, and only provided for upon secondary consideration and with the residue of the fund. This condition always exists where the whole does not extend beyond material arrangement and construction.

After thorough investigation, the building owner should entrust his building operation to someone who by training and experience is qualified to carry out successfully the particular work involved. It should be someone in whom the owner has absolute confidence, and who will concentrate on his problem as a business proposition.

EDITORS AND FIRE PROTECTION IN 1841 AND NOW.

The Assistant Sunday Editor of the New York "Tribune" was good enough to send us the following letter which was written to the New York "Tribune," May 20, 1841:

"Mr. Editor:—As anything relating to the extinguishing or preventing of fires is interesting to a great portion of the community, I take the liberty of suggesting a plan, which, if adopted, would without doubt prevent a fire from communicating to an adjoining building and confine it entirely to the room in which it originated. It is by securing firmly in each room two iron pipes, filled with holes, one of them around the edge of the ceiling, the other near the floor, to connect with the hydrant pipes in the street, have separate stop cocks for each pipe to be placed in some convenient spot on the outside of the building; then, for instance, in case of fire in the second story turn the water into the floor and ceiling pipes of the second story and the floor pipe of the third story. The water from the second story pipe will prevent the fire from getting to the lower stories, and the ceiling pipe will prevent the fire from extending to the adjoining building, and the third story floor pipe will prevent the fire from ascending to the upper stories; thus you will observe the room on fire will be completely surrounded

by water and will prevent its extending to any other part of the building or adjoining ones.

"A MERCHANT."

Horace Greeley was at that time Editor of the New York "Tribune," and he made the following comment on the above letter:

"Our correspondent's remedy would seem pretty efficacious; but would it not cost too much to be generally adopted?"

Mr. Greeley's summary dismissal of this suggestion reminds us somewhat of many of the editorial comments which we see on the matter of fire and fire protection to-day. It would seem that editors, as a class, are too busy with their multitudinous writings to thoroughly study fire protection matters before they write editorials which, unquestionably, have much influence on public opinion in the matter.

It was only a little more than ten years after Mr. Greeley had dismissed this suggestion for perforated pipe systems that the same began to be installed in mutual insurance risks.—"Grinnell Bulletin."

AVERAGE DAY'S WORK FOR THE CARPENTER.

For an eight-hour day a capable carpenter will be able to accomplish any one of the following items, according to an exchange:

Put 400 to 900 square feet of material for a balloon frame; framing and putting up roof 300 to 700 feet, and if placed diagonal half of this.

Horizontal rough sheathing, 700 to 900 feet, and if placed diagonal, half of this.

Matched rough sheathing, 300 to 700 feet, and if placed diagonal, half of this.

Rough roofing about 1,000 feet, and if matched, 800 feet.

Rough flooring, 1,200 feet, and 4-inch matched flooring, 500 feet.

2¼-inch matched hard wood, one room 10 x12, 12x12, 12x14 feet, laying up to base.

Clapboarding, 4-foot, 5-foot and 6-foot lengths, milled ends, 50 to 200 square feet of wall.

These clapboards are 4½ to 5½ inches wide and laid 2½ inches to the weather.

Of 6-inch clapboards, unsquared ends, laid 3¾ inches to weather, the same number of square feet should be laid.

Two thousand to 2,500 shingles on ordinary roofs; compound roof half of this.

Twelve hundred feet on side walls keeps a man hustling all day.

Seventy-five to 100 lineal feet, 4-member cornice; double this for corner strips.

Set eight to twelve window, door or door jamb frames, and fit and hang sash for these four doors with three butts and mortise lock, 2 feet 6 inches by 6 feet 6 inches, and larger.

Will base two members three times as many rooms as he will floor; three members twice as many.

Will fit and hang one pair of sliding doors, but twice as many single doors; will put up track for either of these.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Garage, Allen lane, east of McCallum st., Germantown. Architects, Duhring, Okie & Ziegler, 1218 Chestnut street, Philadelphia. Owner, Francis B. Bracken, Stephen Girard Building, Philadelphia. Stone, 1 story, 38x25 feet, shingle roof, hot water heating, electric lighting, cement floors. Architects have received bids.

Residence No. 16 A, Stenton, Philadelphia. Architect, private plans. Owners, Mauran, Dolman & Co., Franklin Bank Building, Philadelphia. Stone and hollow tile, 2 stories, 38x48 feet, slate roof, hot water heating, electric lighting, oak and pine floors, tile work. Owners have received bids.

Garage, 1714 West Venango street. Architect, J. L. Tomlinson, 4806 North Camac st. Owner, Jas. Hilliard, 1710 West Venango st., Philadelphia. Brick, 2 stories, 42x115 feet, slag roof (heating and lighting reserved by owner), cement floors, metal sash. Owners taking bids, due in about one week. John V. Speth & Co., 1714 Sansom street; H. H. Wehmeyer, 1004 West Lehigh avenue, and Thos. C. Trafford, 1613 Sansom street, are figuring.

Compressor House, Thirty-five and Gray's Ferry road, Philadelphia. Architect, private plans. Owners, Harrison Bros. & Co., Inc., Thirty-fifth and Gray's Ferry road. Brick and steel, 1 story and basement, 39x45 feet, reinforced concrete and slag roof, metal sash, reinforced concrete and maple floors. Owners have received bids.

Foot Bridge, Tulpehocken street, Philadelphia. Architect, private plans. Owners, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Timber, concrete foundations; 79 feet long. Owners have received bids.

Service Building, Broad and Wood streets, Philadelphia. Architects, Hahn & Wiley, Detroit, Mich. Owners, Packard Motor Car Co., L. J. Eastman, manager; 216 North Broad st., Philadelphia. Reinforced concrete and steel, 8 stories, 78x165 feet, composition roof, electric lighting, metal sash and lath, cement, asphalt and maple floors, waterproofing and dampproofing. fire doors, tile and marble work, ventilators, metal window guards, cabinet work, (1) dumbwaiter, store fixtures, terrazzo work, rolling steel doors (plumbing, steam heating, electric work and (3) elevators and sprinkler system reserved by owner). Architects have received bids.

Church, Germantown, Philadelphia. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Second Church of the Christ Scientist. Brick, stone and hollow tile, 2 stories, 177x76 feet, tile roof, cement and pine floors, steam heat, electric light, metal lath, asphalt, waterproofing, fire doors, cabinet work, tile and marble work, safety treads, ventilating system, terrazzo work. Revised plans in progress.

Offices (alt.), American and Willow streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, C. J. Matthews & Co., on premises. Brick, consists of plumbing, partition work, composition floors, marble work. Architects have received bids.

Residence (alt. and add.), 116 South Nineteenth street, Philadelphia. Architect, Robt. W. Pollock, 1802 Chestnut street, Philadelphia. Owner, Dr. S. A. Thomas, 116 South Nineteenth street, Philadelphia. Brick, 3 stories, 18x100 feet, tin and slag roof, hard-

wood and pine floors, compoboard, electric lighting, metal lath and sash (tile work and heating reserved). Architect taking bids, due November 17th. E. R. Hall & Bro., 34 South Seventeenth street; F. E. Wallace, 1220 Chancellor street; Thos. Little & Son, 1713 Moravian street, and J. Sims Wilson, 1125 Brown street; Graham Campion Co, Heed Building, Philadelphia, are figuring.

Hospital (alt. and add.), Thirty-fourth and Pine streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Dept. of Public Health and Charities, Wm. Krusen, director, City Hall. Plans in progress. Too early for details.

Factory (add), 939 North Third street, Philadelphia. Architect, private plans. Owners, Royal Pioneer Box Co., 934 North Third street, Philadelphia. Brick and steel, 3 stories, 25x105 feet, slag roof, pine floors, metal sash, fire doors, tile work. Owners have received bids.

School, Sartain and Moore streets, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and reinforced concrete, stone trimmings, 3 stories, 84x113 feet, composition roof, steam heating, asphalt, cement and maple floors, metal lath and sash, waterproofing, fire doors, ventilators, tile and marble work, hollow tile, weatherstrips, cabinet work (plumbing, heating, electric work, ventilation separate bids). Lowest bidder, Cramp & Co., Denckla Building, \$114,950.

School (alt.), Broad and Jackson streets, Philadelphia. Architect, J. Horace Cook, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Consists of carpenter and mill work (plumbing, heating and electric work separate bids). Lowest bidder, E. C. Durell, 1713 North Twenty-fourth street, \$5,125.

Factory (alt. and add.), 3333-37 Ludlow st., Philadelphia. Architect, Chas. H. Caspar, 925 Chestnut street, Philadelphia. Owners, Supplee Alderney Dairies, 1118 Jefferson street, Philadelphia. Brick, steel and concrete, 3 and 1 story additions, 90x26 feet and 50x56 feet, slag roof, cement floors, metal sash, waterproofing. Architect taking bids, due November 18th. John N. Gill & Co., Heed Building; Warren Moore & Co., Commercial Trust Building; Philip Haibach Contr. Co., Twenty-sixth and Thompson streets; Cramp & Co., Denckla Building; A. R. Raff Contr. Co., 1635 Thompson street, are figuring.

Misdemeanor Court (alt.), Twelfth and Wood streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, care County Commissioners, room 130, City Hall. Consists of granolithic paving and iron fences. Owners taking bids, due November 16th. P. M. Sax, Heed Building; Jas. P. Farrel & Co., 1619 Sansom street, and H. P. Moore, Penn Square Building, are figuring.

Passenger Station (alt. and add.), Cheltenham avenue, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Brick and stone, 1 story, slate roof. Plans in progress. Too early for details.

Passenger Station, Highland Station, Chest-

nut Hill Branch, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Brick, 1 story, steam heating, electric lighting, slate roof. Plans in progress. Too early for details.

Passenger Station (alt. and add.), Chestnut Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Railroad Station, Broad Street Station, Philadelphia. Brick and stone, 1 story, slate roof. Plans in progress. Too early for details.

Playgrounds (3), Philadelphia. Architect, Philip H. Johnson, Land Title Building, Owners, City of Philadelphia, Board of Education, room 587, City Hall. Consists of grading, walks, etc. Lowest bidders, as follows: Shirley & Frances streets, M. & J. B. McHugh, \$12,900; C and Indiana avenue, Wm. Mundy, \$14,400; Sixth and Christian streets, Wm. Mundy, \$6,200.

Playground, Twenty-second and Sedgley avenue. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, room 567, City Hall. Consists of swimming pools, shelter buildings, slag roof, brick and reinforced concrete (plumbing and electric work separate bids). Lowest, bidders, Monaghan & Losse, \$25,318.

Post Office (alt.), Ninth and Market sts., Philadelphia. Architect, Jas. A. Wetmore, Washington, D. C. Owners, U. S. Govt., Treasury Dept., Washington, D. C. Interior alterations, metal lath, tile work, dumbwaiter, (plumbing and heating separate bids). Owners taking bids, due November 29th at 2 P. M. Chas. McCaul Co., 1713 Sansom street; F. L. Hoover & Sons, 1023 Cherry street; Newport Contr. & Eng. Co., Newport News, Va.; Algernon Blair, Montgomery, Ala.; N. B. Smyth, 417 E. Thirty-fourth street, New York City; Connors Bros., 64 W. Eighty-eight street, New York City, are figuring in addition to those previously noted.

Paving, various streets, Philadelphia. Owners, City of Philadelphia, Geo. E. Datesman, Director, Dept. of Public Works, City Hall, Philadelphia. Consists of grading and asphalt, vitrified block, granite block and macadam paving. Owners have received bids.

Residences (27), Windrim avenue, between Ninth and Tenth streets, Philadelphia. Architects, private plans. Owners, Penn Realty & Const. Co., Ogontz and Cheltenham avenues. Brick, 2 stories, 16x45 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owners taking sub-bids on all lines.

Twain Residences, 4 and 6 W. Coulter street, Germantown. Architect, Addison H. Savery, Girard Building, Philadelphia. Owner, J. S. Walker, 228 Manheim street, Germantown. Brick and rough cast, 2½ stories, slate roofs, hot water heat, electric lighting, tile work, hardwood floors. Architects have received bids.

Building (alt. and add.), 1824 Chestnut st., Philadelphia. Architect, W. W. Sharpley, Brown Bros Building, Philadelphia. Owner, Oliver H. Bair, 1820 Chestnut street, Philadelphia. Brick, concrete and steel, 4 stories, 26 x300 feet, steam heating, electric lighting, steel stack, general interior decorations. Plans completed. Architect ready for bids.

Factory (alt.) and Office Building, 1222-24

Ridge avenue. Architects, Bartberger Fisher & Jones, Pittsburgh, Pa. Owners, Parkway Baking Co., Twenty-fourth and Hamilton sts., Philadelphia. Brick, office building, 4 stories, 14x30 feet, slag roof, steam heating, electric lighting, metal lath, maple floors, tile work. Plans in progress. Owners taking bids when completed.

Ice Plant, Twenty-fifth and Morris streets, Philadelphia. Engineers, York Mfg. Co., York, Pa. Owners, Crescent Ice and Coal Co., Fifty-second, below Woodland avenue. Brick and steel, 1 story, 230x56 feet, slag roof, concrete floors. Engineers taking bids. John B. Gill & Co., Heed Building, and P. J. Hurley, 1233 Cherry street; Herman Voight, 1251 North Twenty-eighth street, Philadelphia, are figuring.

Apartment House and Hotel, Philadelphia. Architects, Neubauer & Boyd, 1112 Chestnut street, Philadelphia. Owner, name withheld. Brick, stone, concrete and steel, 8 stories, 80 x150 feet, and 6 stories, 43x160 feet. Preliminary plans in progress. Too early for details. Will take bids in about one month.

Factory, Tacony, Pa. Engineers, Harry C. Eisenbise Co., Pennsylvania Building, Philadelphia. Owners, H. L. Gilmer Co., Tacony, Pa. Brick, slow burning construction, 2 stories, 50x160 feet, slag roof, steel sash. Plans in progress.

Central Flower Plant, Tacony, Pa. Engineers, Harry C. Eisenbise Co., Pennsylvania Building, Pa. Owners, L. H. Gilmer Co., Tacony, Pa. Brick and steel, 1 story, 200 ft. P. capacity. Plans in progress.

Nursery (alt. and add.), 5918 Morton st., Germantown, \$4,000. Architect, Herbert G. Wetherill, 10 South Thirteenth street, Philadelphia. Owners, Morton Street Day Nursery, on premises. Brick, consists of new fire tower, slag roof, cement floors, fire doors. Preliminary plans in progress.

Tube Shop, near Seventy-third and Elm-

wood avenue, Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Flexible Metallic Tubing Co., Broad and Race streets. Brick, 1 story, 107x44 feet, slag roof, maple and cement floors, fire doors, ventilators. Owners taking bids, due November 15th. E. J. Kreitzburg, 1345 Arch street, and Frank Hall, Seventy-first and Greenway avenue, are figuring.

Factory (alt.), Third and Wood streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Janney & Burrough, on premises. Brick and concrete, new elevator shaft, plumbing, skylights, cement floors, ventilators (heating, electric work reserved by owners). Architects taking bids, due November 20th. Loos & Dothard, Commercial Trust Building; John N. Gill & Co., Heed Building; Ketcham & McQuade, 1029 Brown street, Harrison C. Rea Co., 1027 Wood street; Pomeroy Const. Co., 1609 Ranstead street, and H. E. Baton, Twelfth and Sansom streets, are figuring.

Store, 1525 Chestnut street, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, A. Pomerantz & Co., 34 South Fifteenth street, Philadelphia. Limestone, brick, terra cotta and reinforced concrete, 6 stories, 22x164 feet, slag roof, oak and maple floors, metal lath and metal sash and casements, waterproofing, fire doors, marble work (plumbing, heating, electric work, store fixtures, elevators, decorating reserved). Architects taking bids, due November 22nd at noon. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Doyle & Co., 1619 Sansom street; George F. Payne Co., 401 South Juniper street; Jacob Myers & Sons Co., Witherspoon Building; H. B. Baton, Twelfth and Sansom streets; Metzger & Fisher, Denckla Building; Charles McCaul Co., 1715 Sansom street; Pomeroy Const. Co., 1609 Ranstead street.

Factory (alt. and add.), Second and Columbia avenue, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Keystone Spinning Mills Co., on premises. Brick, steel and reinforced concrete, 4 stories, slag roof, composition and concrete floors, metal lath, fire doors, steel sash, safety treads (power plant, elevators, heating, lighting, sprinkler system reserved). Contract awarded to F. B. Davis, 240 North Sixteenth street.

Manufacturing Building, Milnor and Unruh streets, Tacony. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Erben-Harding Co., Commercial Trust Building, Philadelphia. Brick, reinforced concrete and slag roof, steam heating, electric lighting, metal sash, waterproofing, fire doors, sprinklers, maple and reinforced concrete floors, rolling steel doors. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street, who are taking sub-bids, due November 14th.

Office Building (alt. and add.), Terrace and Grape streets. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., 1239 Arch street, Philadelphia. Brick and reinforced concrete, 2 additional stories, 16x48 feet, slag roof, hot water heating, cement floors, electric lighting, waterproofing, fire doors. Contract awarded to Pringle Borthwick, 8018 Germantown ave.

Garage, 1427 North Bouvier street, Philadelphia, \$6,500. Architect, private plans. Owners, Wm. P. & Jas. J. Cochrane, 1036 Olive street, Philadelphia. Brick, 1 story, 45x80 feet, slag roof, steam heating, cement floors, electric lighting. Contract awarded to Conneen Const. Co., 1829 Filbert street, Philadelphia.

Few persons appreciate the enormous cost of advertising a popular product before it obtains popularity. One of the most successful advertisers in the country, whose income reaches hundreds of thousands of dollars annually, told *Leslie's Weekly* that he wasted at least a quarter of a million dollars "before he learned the advertising game." He estimates that he spent this amount on circulars, gaudy lithographs, sign boards, and street car advertising, out of which he received so little benefit, as far as he could trace it, that he regarded the expenditure as money pretty nearly wasted

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Garage, Allen lane, east of McCallum street, \$20,000. Architects, Duh-ring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Wm. Reuss, 431 W. Upsal street, Germantown. Stone, 2½ stories, 70x33 feet, shingle roof, hot water heating, oak floors, electric lighting, metal lath, tile work. Contract awarded to Wm. J. Grubler Co., 219 E. High street, Germantown.

Store and Dwelling (add.), 239 North Sixteenth street, \$1,500. Architect, Herman H. Kine, Sixth and Mifflin streets, Philadelphia. Owners, Marcus & Carunchio, 1512 Arch st., Philadelphia. Brick, 3 stories addition, 7x39 feet, slag roof, steam heating, electric lighting, pine floors, new bulk, tile work. Contract awarded to Morris Hoffman, 1931 South Eighth street, Philadelphia.

Storage Shed, Somerset and Tulip streets, Philadelphia, \$1,500. Architect, private plans. Owners, Phila. Wool Scouring and carbonizing Co., Somerset and Tulip streets, Philadelphia. Steel, 1 story, 150x30 feet, corrugated iron roof. Contract awarded to P. M. Sax, Heed Building, Philadelphia.

Store (alt.), 29 North Second street, Philadelphia, \$2,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Harry Fliegelman, 11 North Second street, Philadelphia. Excavating, foundation and cement work. Contract awarded to Lam Building Co., 1001 Wood street.

Garage, 3517 Longshore streets, Philadelphia. Architects, Watson & Huckel, 1211

Walnut street, Philadelphia. Owner, Dr. J. Albert Bolin, on premises. Brick, 1 story, 30 x150 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to Wilson Milnor, 4634 Penn street, Philadelphia.

Store and Residence (alt. and add.), 628 Pine street, Philadelphia, \$3,500. Architect, Wm. C. Prichett, 416 Walnut street, Philadelphia. Owners, Stephen Smith Estate, care architect. Brick, 2 stories addition, 18x48 feet, slag roof, steam heating, electric lighting, cement and pine floors, store fixtures. Contract awarded to A. Kirkpichnikoff, 1110 North Forty-first street, Philadelphia.

Factory, Keystone and Cottman streets, Philadelphia, \$2,500. Engineer, H. C. Eisenbise, Penna. Building, Philadelphia. Owners, L. H. Gilmer Co., Keystone and Cottman sts., Philadelphia. Brick and concrete, 1 story, 72 x30 feet, slag roof, cement floors (heating and lighting reserved), metal sash, ventilators. Contract awarded to Nickson Duggan Const. Co., 1218 Chestnut street, Philadelphia.

Residence, Park Line Drive and Hortter st., Germantown, \$18,000. Architects, Savery & Sheetz, Stephen Girard Building, Philadelphia. Owner, Jos. H. Bromley, Jr., 6820 Mower street, Germantown. Stone, 2½ stories, 50x36 feet, wing 22x22 feet, slate roof, hot water heating, electric lighting, oak floors, tile work (plumbing, heating and lighting reserved). Contract awarded to Seeds & Derham, 6314 Wissahickon avenue.

A DROP OF INK.

A drop of printer's ink
May make a thousand think.
A single drop
May keep your shop
From getting on the blink.

A drop, when hardly dry,
Makes many people buy.
It helps your biz',
And therefore is
A goodly thing to try.

—Ex.

Don't try to see out of some other man's eyes when you've got a pair of your own,—use them and go over every job carefully before you consider that you are through with it, and don't forget that one "good job" is a better advertisement than many poor ones.
—Exchange.

For Sale Cheap—Immediate Delivery

Thirty seven twelve (12) inch I-beams, weighing 33 pounds to the foot, 17 feet, 4 inches long. Used about five years. Good as new, painted and under cover. Delivery F. O. B. cars Lancaster, Pa.

M. P. QUINN

612 Fidelity Mutual Life Insurance Building
PHILADELPHIA, PA.

PENNSYLVANIA

Construction News

Ice Storage Building, Chester, Pa. Engineer, Van R. H. Greene, 50 Church street, New York City. Owners, Consumers Ice & Coal Co., Chester, Pa. Brick and hollow tile, 1 story, 62x114 feet, composition roof, cement floors, ventilators. Engineer taking bids, due November 9th. Freund Const. Co., Bulletin Building; Monaghan & Losse, 3016 Chestnut street, Philadelphia, are figuring.

Farm Building, Villa Nova, Pa. Engineer, J. A. Crisfield, Broad and Arch streets, Philadelphia. Owner, Samuel T. Bodine, northwest corner Broad and Arch streets, Philadelphia. Brick, stone and frame, 2 and 1 stories, 22x136 feet, shingle roof, electric lighting, metal lath, concrete floors. Owners have received bids.

Store and Apartments, Fourth and Edgemont streets, Chester, Pa., \$25,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owners, Boarman Wine & Liquor Co., on premises. Brick, 3 stories, general interior and exterior alterations, slag roof, tile work, new store fronts (heating and lighting reserved). Plans in progress.

Shapter House. South Bethlehem, Pa. Architect, C. F. Townsend, 120 Church street, New Haven, Conn. Owners, Phi Delta Theta Fraternity, Lehigh University. Stone and hollow tile, 3 stories, 70x32 feet, slate roof, vapor vacuum heating, pine and oak floors, electric lighting, metal lath, metal weatherstrips, cabinet work, dumbwaiters, tile and marble work. Owners have received bids.

Dormitory Buildings (4) and Connecting Corridors, Byberry, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Dr. Wm. Krusen, Director, Dept. of Health and Charities, City Hall, Philadelphia. Brick, stone and hollow tile, (1) 54x88 feet, and (4) 160x50 feet, 2 stories, slate and slag roof (plumbing, heating and lighting separate bids), metal lath, pine floors, waterproofing and damp-proofing, weatherstrip, safety treads, tile and marble work, terrazzo work, metal window guards. Lowest bidders, Mitchell Bros., 2125 Race street, Philadelphia.

Farm House (alt. and add.), Valley Forge, Pa. Architect, Harry G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, John R.

K. Scott, Morris Building, Philadelphia. Stone, 18x24 feet, sleeping porch, dining room, new stairs and general alterations. Plans in progress.

Residence and Garage, Ardmore avenue, Ardmore, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, Atwater Kent, 4937 Stenton avenue, Germantown. Brick, stone, hollow tile and plaster, 2½ stories, 156x40 feet, slate roof, electric lighting, metal lath, waterproofing, cement work, tile work (heating, plumbing and metal weatherstrips reserved). Architects taking bids, due November 17th. M. W. Young, Overbrook, Pa.; Alfred James, Bala, Pa.; E. J. Hedden, Finance Building; Jas. H. Wells, Heed Building, Graham Campion Co., Heed Building; J. P. Thompson, Real Estate Trust Building; John E. Kearney, 327 North Sixty-third street; Wm. R. Dougherty, 1610 Sansom street; Metzger & Fisher, Denckla Building; and George & Borst, 277 South Eleventh street, all of Philadelphia, are figuring.

Buildings (5), Chester, Pa. Architect, W. G. Eckles, New Castle, Del. Owners, Sun Ship Building Co., Finance Building, Philadelphia. Brick, concrete, hollow tile, stone trimmings, office building (general), 2 stories, 100x120 feet; superintendent's office building, 1 story, 111x93 feet; locker and shower building, 1 story, 111x113 feet, and (2) toilet buildings, 1 story, 32x35 feet, steam heating, electric lighting, metal lath and sash, damp-proofing, ventilators, cement and terrazzo floors, composition roof, metal lockers. Owners taking bids, due as soon as possible. Jas. H. Wells, Heed Building; Graham Campion Co., Heed Building; Barclay White & Co., 1713 Sansom street; Pomeroy Const. Co., 1609 Ranstead street; H. E. Baton, Twelfth and Sansom sts.; Phila. & Ley Const. Co., Pittsburgh, Pa.; Wm. Provost, Chester, Pa.; Cramp & Co., Denckla Building; John R. Wiggins & Co., Heed Building; Turner Concrete Steel Co., 1713 Sansom street, and John N. Gill & Co., Heed Building; Jas. C. Driscoll, Stock Exchange Building; Bailey-Lush Co., 201 North Broad street; Hughes-Foukrod Co., Commonwealth Building, Philadelphia, are figuring.

School, Linwood, Pa., \$30,000. Architect,

GRAHAM-CAMPION CO. *Building Construction*

That Satisfies Architects and Owners

1215 FILBERT ST., PHILADELPHIA

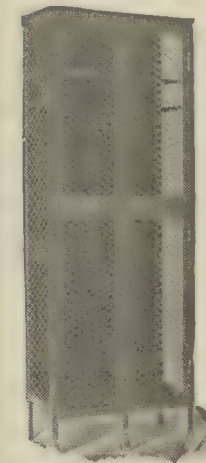


LARGE-DAIL MFG. CO.

Switch Boards, Special Switches
Steel Cabinets
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606 CHERRY STREET
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Pen-Dar Metal Lockers



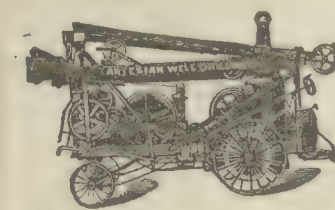
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Steel Works, Titusville, Pa. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Cyclops Steel Co., Titusville, Pa. Brick, steel and corrugated iron, 1 story; puddle mill, 96x78 feet; furnace, 144x90 feet; machine shop, 42x65 feet. Plans in progress. Will take bids in about one week.

Factory (alt. and add.), No. 6 Market st., Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. C. Taylor, Chester, Pa. Consists of general alterations. Plans in progress. Too early for details.

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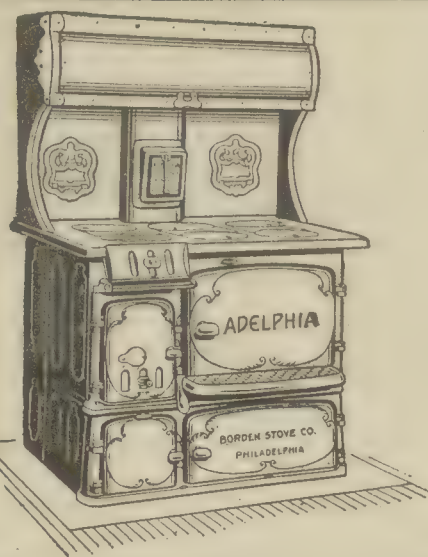
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Store and Apartment, Marcus Hook, Pa. Architect, Wallace Eugene Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Geo. R. Crosgrave, Marcus Hook, Pa. Brick, 3½ stories, 44x60 feet, slag roof, steam heating, electric lighting. Plans in progress.

Virus Building, Ridgway, Delaware County, Pa. Architect, private plans. Owners, H. K. Mulford Co., 428 South Thirteenth street, Philadelphia. Stone, hollow tile, plaster, 1 story, 17x33 feet, asphalt shingle roof, reinforced concrete floors, metal lath, dampproofing (plumbing, heating, electric work and painting reserved). Owners have received revised bids.

Residence and Garage, Rose Valley, Pa. Architects, E. B. Delk and F. W. Hastings, 34 South Seventeenth street, Philadelphia. Owner, Francois J. Torchiana, 3d, Rose Valley, Pa. Stone, hollow tile, plaster, 1½ stories, 71x49 feet, slate roof, electric lighting, metal lath, tile work, oak floors (plumbing, heating, weatherstrips reserved). Architect taking bids, due November 18th. J. P. Thompson, Real Estate Trust Building; J. B. Flounders, 1329 Arch street; Eugene Tourison, 1001 Chestnut street; Herbert L. Walton, Moylan, Pa.; Carroll Thayer, Swarthmore, Pa.; J. Paul Emrey, 4907 Wynnefield avenue, are figuring.

Club House, Fifth and Walnut streets, Reading, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building. Owners, Wyomissing Club, on premises. Brick, stone trim, 4 stories, 136 x48 feet, slate and tin roof, steam heating, electric lighting (asbestos or composition, concrete, oak and maple floors, metal lath, dampproofing, cabinet work, tile and marble work (elevator, dumbwaiter reserved). Architects taking bids, due November 25th. Metzger & Fisher, Denckla Building; R. C. Ballinger & Co., 218 North Thirteenth street; Phila. Beard Const. Co., L. H. Focht & Son, Daniel H. Hunter and Chas. Schlegel, all of Reading, Pa.; John Lowry, Jr., 8 West Fortieth street, New York City, are figuring.

Parish House, Chester, Pa. Architect, Herman Miller, Crozer Building, Philadelphia. Owners, Evangelical Lutheran Church of the Holy Trinity, Rev. John W. Houser. Stone, limestone trim, 2½ stories, 38x80 feet, slag roof, steam heating, marble floors, electric lighting, metal lockers, cabinet work (electric lighting, heating, plumbing reserved). Architect taking bids, due November 20th at 3 P. M. The following are figuring: John Codori, Arch street; Alex. Chambley, 243 South

Tenth street; Thos. C. Trafford, 1613 Sansom street; Bailey-Lush Co., 201 North Broad st.; I. T. Shoemaker, 1324 Walnut street; Freund Const. Co., Bulletin Building; Geo. M. Bricker, Edgemont and Parkside streets, Chester, Pa.

Stock House and Pack House, Stockertown, Pa. Engineer, Richard H. Meade, Baltimore, Md. Owners, Hercules Cement Co., Finance Building, Philadelphia. Steel and concrete, 8 bins 25 feet diameter and 50 feet high, and concrete platform, 90x58 feet, composition roof, cement floors. Owners taking bids; due as soon as possible. Bailey-Lush Co., 201 N. Broad street, are figuring.

Factory, Lebanon, Pa., \$10,000. Architect, Geo. L. Gerhard, 619 Penn street, Reading, Pa. Owners, Yocum Bros., Fourth and Walnut streets, Reading, Pa. Brick, 2 stories, 40x101 feet, slag roof, steam heating, electric lighting, elevators, metal lockers, fire doors, sprinklers. Plans in progress.

Virus Building, Ridgway, Delaware County, Pa. Architect, private plans. Owners, H. K. Mulford Co., 428 South Thirteenth street, Philadelphia. Stone, hollow tile, plaster, 1 story, 17x33 feet, asphalt shingle roof, reinforced concrete floors, metal lath, damp proofing (plumbing, heating, electric work and painting reserved). Owners have received bids.

Residences (9), Yeadon, Delaware County, Pa. Architect, Jesse T. Hoekster, 3612 South Eighty-fourth street, Philadelphia. Owner, Theo. Presser, 1710 Chestnut street, Philadelphia. Brick and plaster, 2½ stories, 20x27 feet, tile or shingle roofs (heating reserved), electric lighting, pine floors, tile work. Owners taking bids, due November 18th. Chas. McCaul Co., 1713 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Metzger & Fisher, Denckla Building; Jacob Myers & Sons Co., Witherspoon Building; H. E. Baton, Twelfth and Sansom street; H. E. Grau, 1709 Sansom street; Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

Mission Church, Eighth and Green streets, Marcus Hook, Pa. Architects, Edwin F. Durang & Son, 1220 Locust street, Philadelphia. Owner, Rev. Antonio Garritano, rector, Marcus Hook, Pa. Stone and brick, 1 story, 44x84 feet, slate roof, pine floors (plumbing, heating, electric work, interior furnishings and cement paving reserved by owner). Architects taking bids, due November 17th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; John P. McShane, 1610

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North street; Leonard Popolite and Harry Righson, both of Marcus Hook, Pa.; Pietro Caruso, James Scolastico and Giulio Tierre, all of Chester, Pa.

Bungalow, Montgomery avenue and Linden streets, Hatboro, Pa. Architect, Albert F. Schenk, 1232 Real Estate Trust Building, Philadelphia. Owner, Wm. H. McLaughlin, 2407 Ridge avenue, Philadelphia. Frame, 2

stories, 26x41 feet, shingle roof, warm air heating, oak and pine floors, electric lighting. Architect taking bids, due November 20th. James B. Flounders, 1329 Arch street; Fred Elvidge & Son, 5522 Germantown avenue; W. John Stevens, Inc., Wynecote, Pa.; I. Perry Warner, Hatboro, Pa., and Samuel E. Krewson, Hatboro, Pa., are figuring.

PENNSYLVANIA

Contracts Awarded

Telephone Exchange, Squirrel Hill, Pa. Engineer, private plans. Owners, Bell Telephone Co. of Penna., 1230 Arch street, Philadelphia. Brick, 2 stories, 71x34 feet, slag roof, electric lighting. Contract awarded to Const. Co., 530 Fernando street, Pittsburgh, Pa.

Residence (alt. and add.), Cossart, Pa. Architects, Brown & Whiteside, 232 Dupont Building, Wilmington, Del. Owner, Francis S. Whitten, Cossart, Pa. Stone, hollow tile and plaster, 2½ stories, addition 31x14 feet and 32x32 feet, tin and shingle roof (heating and lighting reserved), oak floors, metal lath, cabinet work, tile and marble work. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington.

Repair Shop (alt.), Ardmore, Pa., \$35,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Auto Car Co., Ardmore, Pa. Brick and concrete, 2 stories, 90x80 feet, slag roof, cement floors, metal sash, waterproofing, steel doors (plumbing, heating, electric work, sprinklers, wood block floors and concrete foundation walls reserved). Contract awarded to John R. Wiggins & Co., Heed Building.

Paint Shop (alt.), Ardmore, Pa., \$3,000. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Auto Car Co., Ardmore, Pa. Brick and steel, 3 stories, consists of new brick footings, structural steel, concrete work and painting. Contract awarded to John R. Wiggins & Co., Heed Building.

Sanatorium (adds.), Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, State Sanatorium for Tuberculosis, care Dr. Samuel F. Dixon, 1900 Race street, Philadelphia. Stone and hollow tile and plaster, 3 stories, 65x47 feet, 2½ stories, 44x54 feet, asbestos shingle roofs,

metal lath, iron stairs, kalamein doors, metal sash, yellow pine floors, fire escapes (heating, plumbing and electric work separate bids). Contract awarded to Frank G. Stewart, 1619 Sansom street.

Residence, Springfield, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, A. Eugene Schmidt, Springfield, Pa. Stone and plaster, 2½ stories, 45x25 feet, shingle roof, hot water heating, electric lighting. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Residences (2), 1400 Fairview street, Reading, \$15,000. Architect, private plans. Owners, Sharp & Ravel, Reading, Pa. Brick and frame, 2 stories, 24x41 feet, slate roof, hot water heating, electric lighting. Contract awarded to W. S. Sharp, 20 N. Fifth street, Reading, Pa.

Club House (alt. and add.), Reading, Pa. Architect, Alex. Smith, Reading, Pa. Owners, Berks County Club, Reading, Pa. Consists of general alterations. Contract awarded to Geo. Koch, Reading, Pa.

Residence, Pottsville, Pa., \$15,000. Architect, H. J. Maurer, Baer Building, Reading, Pa. Owner, Thos. Pepper, Pottsville, Pa. Brick, stone trim, 2½ stories, 52x52 feet, slate roof, hot water heating, combination lighting, hardwood floors. Contract awarded to Ossman Aregood, Pottsville, Pa.

Bridge Repairs, Poplar Neck Bridge, over Schuylkill river, south of Reading on Wilmington Branch. Engineer, private plans. Owners, The Phila. & Reading Railway Co., Reading Terminal, Philadelphia. New steel plates and rollers. Contract awarded to the American Bridge Co., Widener Building, Philadelphia.

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NEW JERSEY Construction News

Kiln Building (11-A), Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, steel and concrete, 80x670 feet, Keystone Fireproofing Patented Roofing, steel sash, cement floors, electric lighting. Architects have received bids.

Passenger Station, Princeton, N. J., \$45,000. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Railroad So., Broad Street Station, Philadelphia. Stone, 1 story. Plans about to be started.

Laboratory, Princeton, N. J. Architects, Day & Klauder, 925 Chestnut street, Philadelphia. Owners, Princeton University, Princeton, N. J. Stone, 2 stories, slate roof. Plans in progress. Too early for details.

Residence, Greenwood avenue, Trenton, N. J. Architect, Walter Thos. Mayo, 1701 Chestnut street, Philadelphia. Owner, E. H. Freeman, 701 Monmouth street, Trenton, N. J. Brick, 2½ stories, 41x34 feet, slate and canvas roof, oak floors, tile and marble work (plumbing, heating and lighting reserved). Architect taking bids, due November 21st. F. P. Davis, 240 North Sixteenth street, Philadelphia, figuring on general contract; A. L. Clayton, C. Poinsett, W. S. Hill & Sons, L. P. Wilson, Chas. Randall, Wm. Musson and Wm. Ivins, all of Trenton, N. J., figuring on carpenter work; Burton & Burton, Wm. Hicks, S. W. Mather & Sons, Jos. Hopewell and T. Smith, all of Trenton, N. J., figuring on masonry work.

Post Office, East Orange, N. J. Architect, Jas. A. Wetmore, Washington, D. C. Owners, U. S. Govt, Treasury Dept., Washington, D. C. Brick, stone and terra cotta, 1 story, 174x82 feet, tile roof, pine or fir floors, metal lath, dampproofing, ventilators, safety treads, tile and marble work, hollow tile, weatherstrips, terrazzo work (mechanical equipment separate bids). Additional bidder, E. F. Fonder, Land Title Building, Philadelphia.

School (add.), Woodlynne, N. J., \$14,000. Architects, Moffett & Stewart, 30 North Third street, Camden, N. J. Owners, Board of Education, Woodlynne, N. J. Brick, 2 stories, and basement, 60x38 feet, slag roof, steam heating, electric and gas lighting, gum wood floors, hollow tile work, metal lath, ventilators, safety treads, metal window guards. Plans in progress. Will take bids about January 1, 1917.

Warehouse (alt. and add.), Trenton, N. J.

Architect, private plans. Owners, American Steel and Wire Co., Trenton, N. J. Reinforced concrete and brick, 1½ stories, 199x23 feet, reinforced concrete and slag roof, reinforced concrete floors, electric lighting, metal sash, fire doors, ventilators, safety treads. Plans in progress.

Garage, Trenton, N. J. Architects, Samuel M. Green Co., Springfield, Mass. Owners, Ajax Rubber Co., Wm. G. Grieb, president, Breunig avenue, Trenton. Reinforced concrete and brick, 1 story, 30x63 feet, reinforced concrete and slag roof, steam heat, electric light, metal sash, waterproofing, reinforced concrete floors, gasoline storage. Plans completed. Architects ready for bids.

Residence, Fairmount avenue, Trenton, N. J., \$3,000. Architect, private plans. Owner, Elmer H. Stout, 343 Berwyn avenue, Trenton, N. J. Cement blocks and frame, 2½ stories, 14x43 feet, slate roof, hot air heating, gas lighting. Owner sub-letting all contracts.

Residence, Cook avenue, Trenton, N. J., \$5,000. Architect, private plans. Owner, Elmer H. Stout, 343 Berwyn avenue, Trenton, N. J. Brick and frame, 2½ stories, 16x43 feet, slate roof, hot air heating, gas lighting. Owner taking sub-bids on all lines.

Residences (2), Eastfield avenue, Trenton, N. J., \$4,000. Architect, private plans. Owner, Charles McDermott, 274 Hillcrest avenue, Trenton, N. J. Brick, 2½ stories, 14x40 feet, slate roof, hot air heating, gas lighting. Owner will sub-let all contracts.

Residences (3), Emmett avenue, Trenton, N. J., \$6,000. Architect, private plans. Owner, Genarro Tuccillo, 221 Butler street, Trenton, N. J. Brick, 2½ stories, 14x28 feet, slate and tin roof, hot air heating, gas lighting. Owner sub-letting all contracts.

Theatre, Pennsgrove, N. J., \$25,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, Pennsgrove Improvement Co., Pennsgrove, N. J. Hollow tile, brick and stucco, 1 story and gallery, 58x120 feet, slag roof, steam heat, electric light, cement and wood floors, metal lath, dampproofing. Architects taking bids, due November 18th. Peterson Const. Co., Clayton, N. J.; Wilber Beaumont, 12 South Tennessee avenue, Atlantic City, N. J.; George W. Shaner & Son, Palmyra, N. J., and Wills Ludwick Co., 34 South Seventeenth street; McCloskey & Bahls, 1630 Thompson street, and Croll Evans Co., 6144 Webster street, Philadelphia, are figuring.

NEW JERSEY Contracts Awarded

Residences (2), Ohio avenue, Trenton, N. J., \$4,000. Architect, private plans. Owner, E. E. Marshall, Commonwealth Building, Trenton, N. J. Brick, 2½ stories, 36x13 feet, slate and tin roof, hot air heat, gas lighting. Contract awarded to Frank Borowicz, 915 Spruce street, Trenton, N. J.

Residence, Columbia avenue, Trenton, N. J., \$2,000. Architect, private plans. Owner, Lucy Hamer, 101 Lakeside avenue, Trenton, N. J. Frame, 2 stories, 24x32 feet, slate and tin roof, hot air heating, gas lighting. Contract awarded to Edward M. Hamer, 101 Lakeside avenue, Trenton, N. J.

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MARYLAND

Construction News

Engine House No. 2, Engine House (add.), and Generator House, Sparrows Point, Md. Architect, private plans. Owners, Bethlehem Steel Co., care Maryland Steel Plant, Sparrows Point, Md., Brick, steel, reinforced concrete, 1 story, 374x94 feet, 176x94 feet and 111x594 feet, reinforced concrete and slag roofs, reinforced concrete and tile floors, metal sash, waterproofing, steel doors, glazed tile, radial brick chimney. Owners taking bids, due as soon as possible. Pomeroy Const. Co., 1609 Ranstead street; F. W. Mark Cont. Co., Finance Building, and Warren, Moore & Co., Commercial Trust Building; Irwin & Leighton, 126 North Twelfth street, Philadelphia, and Consolidated Eng. Co., Calvert Building, Baltimore, Md., are figuring.

Garage, near Elkton, Md. Architect, Ralph E. White, Penna. Building, Philadelphia. Owner, Chas. K. Lennig, Hazel River P. O., Va. Stone, 1½ stories, 30x24 feet, slate and slag roof, cement and pine floors, compol board (heating and lighting reserved). Architect taking bids, due as soon as possible. A. Chickland, Elkton, Md.; Mr. Hamilton, North East, Md.; Walter C. Miller, Elkton, Md.; and Harry Griffin, Chesapeake City, Md.; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia, are figuring.

Bank Building, Laurel, Del., \$35,000. Architect, Theo. Wells Pietsch, American Building, Baltimore, Md. Owners, Peoples National Bank, Daniel Shirk, President, Market street, Baltimore. Brick and stone, 1 story, roofing not decided, electric lighting, steam heating. Plans about completed. Will be ready for bids in about one week.

Arcade, 319 W. Baltimore street, Baltimore, Md. Architect, Benjamin Frank, 328 N. Charles street, Baltimore. Owners, Schoeneman Estate, Baltimore, Md. Concrete, marble

work, tile work, passenger elevator, electric lighting and steam heating. Plans in progress.

Residence, Green Spring Valley, Md. Architect, Theo. Wells Pietsch, American Building, Baltimore. Owner, A. Stanley Zell, 11-15 E. Mt. Royal avenue, Baltimore. Stone, brick, frame and stucco, 2* stories, 42x95 feet, slate roof, concrete work, dampproofing, tile work, electric lighting. Plans in progress.

Mansion (renovating), East Lombard street, Baltimore, Md. Architect, private plans. Owners, City of Baltimore, City Hall, Baltimore, Md. Consists of restoring Carroll Mansion, decorating, etc. Owners will advertise for bids shortly.

Theatre, Light and Poultny streets, Baltimore, Md. Architect, Oliver B. Wright, Munsey Building, Baltimore, Md. Owners, McHenry Amusement Co., Fidelity Building, Baltimore, Md. Brick, concrete, slag roof, fireproofing, fire doors, terra cotta work, dampproofing, ventilators (heating, plumbing and electric work reserved), marble work, fire-escapes. Revised plans in progress. Architect will be ready for bids about November 15th.

Residence, Guilford, Md. Architect, E. L. Palmer, Munsey Building, Baltimore, Md. Owner, Albert Schauman, 1509 Edmondson avenue, Baltimore, Md. Brick and stucco, 2½ stories, tile roof, hot water heating, electric work, tile work, hardwood floors. Architect taking bids, due November 17th. The following are figuring: Roland Park Co., Roland Park, Md.; Gowan Building Co., 106 W. Madison street; G. Walter Tovell, Eutaw & McCulloh streets; Gladfelter Chambers, Thirty-sixth and Roland avenue; E. G. Turner, Fifteenth and Fayette streets, all of Baltimore.

MARYLAND

Contracts Awarded

Residence, Millbrook road, Guilford, Md. Architect, E. L. Palmer, Munsey Building, Baltimore. Owners, Misses Nickerson, Sunbury, Pa. Brick, 2½ stories, slate roof, hot water heating, electric lighting and plumbing, tile work. Contract awarded to E. G. Turner, Fifteenth and Fayette streets, Baltimore, Md.

Residences (5), Earle avenue, near Reisterstown road, Baltimore, Md. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore. Owners, Welsh Const. Co., 11 E. Fayette st., Baltimore, Md. Brick, 2* stories, tile roof, steam heating, combination lighting, tile work, hardwood floors. Owners taking sub-bids on all lines.

Garage, Clarkson street and B. & O. RR., Baltimore, Md., \$3,000. Architect, private plans. Owners, American Oil Co., American Building, Baltimore, Md. Brick, 1 story, 30x64 feet, slag roof, electric lighting. Contract awarded to Monmonier & Sorrell, 1711 McCulloh street, Baltimore.

Warehouse, northwest corner Pratt and Fremont streets, Baltimore, Md., \$4,000. Architects, Blanke & Sink, Equitable Building, Baltimore, Md. Owners, Boston Iron & Metal Co., on premises. Brick, 1 story, 40x70 feet, Carey roof, electric lighting. Contract awarded to Price Concrete Const. Co., Maryland Trust Building, Baltimore.

Miscellaneous Construction News

Hotel (alt.), Ninth and French streets, Wilmington, Del., \$15,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wil-

ington, Del. Owner, Dr. S. G. Elbert, 1000 French street, Wilmington, Del. Brick and terra cotta, 3 stories, slag roof, electric light-

ing. Plans in progress.

Store and Apartments, Tenth and French streets, Wilmington, \$28,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Dr. S. G. Elbert, 1000 French street, Wilmington, Del. Reinforced concrete and brick, 4 stories, 50x80 feet, slag roof, steam heating, electric lighting, tile floors, waterproofing, fire doors, cabinet work, dumbwaiters, tile and marble work. Plans in progress.

Residences (50), Grubles Landing, Del., \$150,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Victor Motor Co., Albert Posey, Superintendent, 209 West Ninth street, Wilmington. Hollow tile, stucco and reinforced concrete, 2½ stories, 23x28 feet, slate or shingle roof, hot water or hot air heating, metal lath, waterproofing. Plans in progress.

Store (add. and alt.), Ninth and King sts., Wilmington, Del. Architect, Edw. Canby May, Dupont Building, Wilmington, Del. Owners, Wilmington Furniture Co., Wilmington, Del. Consists of general interior and exterior alterations. Architect taking bids. W. D. Haddock & Co., 804 Orange street; Chas. H. Tindall & Son, 614 Tatnall street, and Vansant & Son, all of Wilmington, Del, are figuring.

Armory, Newark, Del., \$20,000. Architect, Leon Wilde Crawford, Equitable Building, Wilmington, Del. Owners, State Armory Board, Wilmington, Del. Brick, cut stone, 2 stories, 60x100 feet, hot water heating, electric lighting, reinforced concrete floors. Architect has received bids.

Baking Plant (add.) and Power House, Wilmington, Del. Architects, Pouckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Wm. Freihofer Baking Co., Twentieth and Indiana avenue, Philadelphia. Brick, terra cotta, steel and concrete, 3 and 4 stories, addition, 60x100 feet, granite trimmings (electric work reserved). Architects taking bids, due November 22d. The following are figuring: Philip Haibach Cont. Co., Twenty-sixth and Thompson streets; Ketcham & McQuade, 1029 Brown street; Geo. L. Sipps, 912 Locust street; Concrete Const. Co., 1620 Thompson street, Philadelphia; W. D. Haddock & Son, 804 Orange street, and A. S. Read & Bro., 815 Shipley street, Wilmington, Del.

Residence, Wilmington, Del., \$6,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Max Green, Wilmington, Del. Brick, 2½ stories, 36x40 feet, shingle roof, hot water heating, electric lighting. Architect about ready for bids.

Power House, Fifth and Adams streets, Wilmington, Del. Owner, J. D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, Jos. Stoeckle Brewing Co., on premises. Reinforced concrete and brick, 2 stories, 48x105 feet, reinforced concrete and slag roof, steam heating, electric lighting, metal sash, waterproofing, metal lockers. Plans in progress.

Gardner's Cottage and Garage, Bellevue, Del., \$9,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wm. G. Cox, Bellevue, Del. Stone and stucco, 3 stories, 35x45 feet, slate roof, steam heating, electric lighting. Ready for bids in about one week.

Y. W. C. A. Building, Wilmington, Del., \$200,000. Architect, Edw. Canby May, Dupont Building, Wilmington, Del. Owners, Y. W. C. A., 908 King street, Wilmington, Del. Brick, steel, marble and terra cotta, 5 stories, 85x150 feet, tile roof, steam heating, electric lighting, hollow tile, tile and hardwood floors, waterproofing and dampproofing, dumbwaiters, kalamein doors, ventilators, metal lockers, elevators. Plans about completed.

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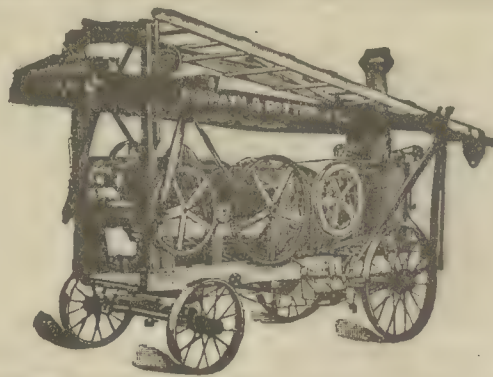
Garages (18), Jackson street, Wilmington, Del., \$6,000. Architect, Wallace E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Jas. A. Vogel, 1203 Lombard street, Wilmington, Del. Brick, 1 story, slag roof. Plans in progress. Too early for details.

Garage and Coachman's Cottage, Wilmington, Del. Architect, Robeson Lea Perot, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Hollow tile and plaster, 1½ stories, 35x90 feet, shingle roof, steam heating, cement and pine floors, electric lighting, tile work. Revised plans in progress.

Apartment, French street, Wilmington, Del., \$10,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Dr. S. G. Elbert, 1000 French street, Wilmington, Del. Brick, reinforced concrete porches, 3 stories, slag roof, steam heating, electric lighting, metal lath, cabinet work, dumbwaiters. About ready for bids.

Warehouse, 228 North Front street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, L. Gordon & Son, on premises. Brick and concrete, slow burning, 4 stories, 32x160 feet, slag roof, steam heating, electric lighting, metal sash (heating, lighting and elevator reserved). Plans in progress.

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Miscellaneous Contracts Awarded

Residence, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, G. Badehoff, Wilmington, Del. Hollow tile and stucco, 2½ stories, 40x40 feet, shingle roof, steam heating, electric lighting, hardwood floors. Contract awarded to John E. Healy & Sons, 707 Tatnall street, Wilmington.

Residence (alt. and add.), Dover, Del., \$11,500. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, A. B. Magee, Dover, Del. Frame, 2½ stories, 44x65 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Contract awarded to L. W. Clifton, Dover, Del.

Garage (alts. and add.), Tenth and Washington streets, Wilmington, \$8,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Studebaker Auto Co., on premises. Brick and steel, 1 story, 130x44 feet, slag roof, steam heating, combination lighting, concrete floors, electric freight elevator, metal ceiling. Contract awarded to Pyle & Stannard, Wilmington, Del.

Hotel (add.), 1120 Front street, Wilmington,

Del., \$3,500. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Fahey Bros., 1120 Front street, Wilmington, Del. Brick and stone, reinforced concrete, 1 story, and basement, 17x60 feet (electric lighting and steam heating, extension, tile and wood floors, waterproofing, tile and marble work, terrazzo work, cabinet work. Contract awarded to C. J. Dougherty, 1809 Lincoln street, Wilmington.

Garage, (Eighteenth and Boulevard), Wilmington, Del. Owner, Edw. C. May, Dupont Building, Wilmington, Del. Brick, 2 stories, 22x24 feet, slate roof, lighting and heating, extension, concrete floors. Contract awarded to W. Howard May, 1014 Rodney street, Wilmington.

Residence and Garage, Kennebunkport, Me. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, Atwater Kent, 4937 Stenton avenue, Philadelphia. Stone and frame, 2½ stories, 26x125 feet, shingle roof, electric lighting. Contract awarded to A. H. J. Clough, Kennebunkport, Me.

Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Building, 4901 Stenton avenue, \$120,000. Leeds & Northup Co. (O and C), on premises. Brick, 6 stories, 110x110 feet, slag roof, steam heat.

Dwelling, 31 Springfield avenue, east of Fifty-seventh street. Jos. Enhurg (O and C), 5200 Wynnefield avenue. Brick, 2 stories, 16x29 feet, slag roof, hot water heating.

Dwelling, 1226 South Second street, \$7,000. E. Eglewood (O), 1120 South Second street. W. D. Preetyman (C), 2603 South Broad st. Brick, 3 stories, 20x39 feet, slag roof, hot water heating.

Eight dwellings, Twelfth street, south of Sixty-sixth avenue, \$44,000. Frank O. Donnell (O and C), Broad and Cheltenham avenue. Brick, 2 stories, 16x14 feet, slag roof, hot water heating.

Garage, 6261 Stenton avenue, \$300. Albert Bornmentse (D and C), on premises. Brick, 1 story, 22x16 feet, slag roof.

Garage, 76 W. Washington lane, \$500. John B. Kohler (O), 95 W. Washington lane. Saml McNeil (C), 953 East Cheltenham avenue. Brick, and stone, 1 story, 20x30 feet, slag roof.

Dwelling, Allen lane and McCallum street,

\$20,000. Wm. Reuss (O), on premises. W. H. Gruhler (C), 219 E. High street. Stone, 3 stories, shingle roof, steam heating; garage, 2 stories, stone, 27x28 feet, shingle roof.

Garage, Norwood avenue, north of Chestnut avenue, \$2,250. Mr. G. C. Thomas (O), on premises. Alex. Care (C), 48 E. Chestnut avenue. Brick, 1 story, 23x21 feet, shingle roof.

Garage, Thirty-fifth and Fairmount avenue, \$900. House of Good Shepherd (O), on premises. Sutton & Stephenson (C), 1317 Washington avenue. Brick, 1 story, 15x27 feet, cement roof.

Playground, Twenty-fourth and Jackson streets, \$43,000. Board of Recreation (O), H. L. Mitchell Bros. (C), 2125 Race st. Brick, 1 story, 12x12 feet, swimming pool; 1 toilet building, 13x8 feet; 1 supply house, 17x74 feet, slag roof.

Station, Cornelius Park, \$6,300. City of Philadelphia (O), City Hall. James Connor (C), 1317 Arch street. Brick, 1 story, 45x21 feet.

Two dwellings, Lansdown street and Ridge avenue, \$1,000. Walter Smith (O and C), 5273

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Ridge avenue. Brick, 2 stories, 16x32 feet, slag roof, hot water heating.

Garage, 3432 Coral street, \$500. Victor Eshbach (O), 3431 Frankford avenue. Barnes Bros. (C), 208 East Millard street. Brick, 1 story, 17x20 feet, slag roof.

Seven dwellings, east side Eighth street, south of Cayuga street, \$14,700. John T. Clashy (O and C), 4263 North Ninth street. Brick, 2 stories, 14x25 feet, slag roof, hot water heating.

Store, dwelling and garage, 715 South Third street, \$6,000. Abe Spear (O), 329 Monroe street. Chas. Rutherford (C), 3805 Haverford avenue. Brick, 3 stories, slag roof, hot water heating; garage, 1 story, brick, 16x51 feet, slag roof.

Dwelling, 51 Second street, north of Olney street, \$11,050. Louis Breannig (O and C), 4933 North Fifth street. Brick, 2 stories, 14x42 feet, slag roof, hot water heating.

Garage, 111 E. Cleveland avenue, \$600. Charles Potts (O), 111 E. Cleveland avenue. Samuel Hartung (C), 20 E. Johnson street. Brick, 1 story, 14x25 feet, slag roof.

Dwelling, 2132 E. Chelton avenue, \$3,000. Rudolph Engelhardt (O), on premises. Saml F. McNeal (C), 953 E. Chelton avenue. Brick, 2 stories, 17x47 feet, slag roof, hot water heat.

Garage, 2421 South Seventy-third street. John Cassall (D and C), 2421 South Seventy-third street. Brick, 1 story, 17x17 feet, slag roof.

Twenty-eighth dwelling, Tenth and Courtland avenue \$70,000. Daniel Crawford (D and C), 703 North Sixty-third street. Brick, 2 stories, 15x41 feet, slag roof, hot water heating.

Sixteen dwellings, north side of Durvet st., east Chew street, \$40,000. John Miller (O), Glenside. H. E. Waganer (C), 5025 Germantown street. Brick, 2 stories, 43x15 feet, slag roof, hot water heating.

Four dwellings, 1021-23-25-27 Rollins st., \$6,400. Harry Hartung (O and C), 7403 Bingham street. Brick, 2 stories, 14x41 feet, slag roof, hot water heating.

Service building, 2530 North Broad street, \$14,000. Casila & Dougherty (O), 846 North Broad street. Henry Schneider (C), 3713 York road. Brick, 2 stories, 24x24 feet, slag roof, steam heating.

Seven dwellings, east side Jackson street, north of Howell street, \$14,000. Anton Ashler

(O and C), 3425 Howell street. Brick, 2 stories, 14x35 feet, slag roof, hot air heating.

Four dwellings, 5422-24-28 North Tennis avenue, \$8,800. Edwin Stott (O and C), 5430 North Water street. Brick, 2 stories, 14x25 feet, slag roof, hot water heating.

Factory, Eighty-second and Bartram avenue, \$12,000. Phila. Enamel Mfg. Co. (O), 44 North Fifty-second street. C. W. Swartz (C), 5703 Chestnut street. Brick, 1 story, 200x120 feet, slag roof.

Two dwellings, Fifty-sixth and Greenway avenue, \$5,200. Galen Hemperly (O and C), 120 South Forty-sixth street. Brick, 2 stories, 15x42 feet, slag roof, hot water heating.

Factory building, Twenty-eighth and Fletcher streets, \$25,000. Cohlman & Cutler (O), 2522 Dauphin street. John B. Wiggins, 215 Filbert street. Brick, 2 stories, 110x56 feet, slag roof, steam heating.

Six dwellings, Arthur street, east of E st., \$9,000. W. E. Strock (O and C), 7326 Second Street pike. Brick, 2 stories, 16x37 feet, slag roof, hot air heating.

Church, Lyeoming and Nice streets, \$1,700. Mazasene Baptist Church (O), on premises. J. F. Trent (C), 2041 Master street. Stone, 1 story, 47x47 feet, slate roof, steam heating.

Office building, Somerton Hill cemetery, \$3,800. Forest Hills Cemetery (O), West End Trust Building. H. Christiansen (C), 1623 Oxford street. Frame, 1 story, 30x66 feet.

Garage, 5737 North Marvine street, \$500. G. Geto (O), 5939 North Marvine street. Frank K. Stahl (C), 2713 North Park avenue. Stone, 1 story, 20x30 feet, slag roof.

Six dwellings, Forty-ninth and Parkside avenue, \$16,800. A. Caplan (O and C), 26190 North street. Brick, 2 stories, 16x32 feet, slag roof, hot water heating.

Repair shop, 219 West Rittenhouse street, \$6,000. Sam Goldberg (O), 132 West Chelton avenue. Henry P. Schneider (C), 3713 York road. Brick, 2 stories, 60x60 feet, slag roof.

Dwelling, Kennelworth avenue and Eighth street. Mrs. Chas. Clark (O and C), 207 Clarkson avenue. Brick, 2 stories, 30x34 feet, slag roof, hot water heating.

Garage, Fifty-ninth and Wilby avenue, \$1,200. Daniel O'Connell (O), on premises. William Wyatt (C), 62 North Sixty-first st. Stone or brick, 1 story, slag roof, 21x20 feet.

Garage, 1034 Herbert street, \$300. Crampton Bros. (O and C), 4614 Oakland street. Brick, 1 story, 10x17 feet.

Antonio Despasto (O), on premises. A. De Maseo (C), 1224 Christian street, Repairs.

Dyehouse, 147 West Thompson st., \$1,500. T. A. Hannis (O), on premises. Samuel Rea & Sons (C), 1608 Fairmount avenue. New asbestos roof.

Store and dwelling, Belgarde and Ontario streets, \$300. Ed. Trainor (O), 820 South Second street. Andrew Donaldson (C), 2237 Oakford street, Flush bulks.

Garage, 1733 Spring Garden (rear), \$385. R. J. Filbert Estate (O), on premises. J. Frank Grant (C), 1125 North Thirteenth street. Steam heat.

Dwelling, 1723 Carpenter street, \$500. Alex. Disanti (O), 1723 Carpenter street. R. J. A. West (C), 8220 Buist avenue. Two-story addition, 17x26 feet, slag roof.

Blacksmith shop, 2853 North Ruth street, \$2,800. Walter & Davis (O), 2857 Ruth st. Fred A. Havens (C), 845 North Nineteenth street. Brick, 1 story, 19x42 feet, slag roof.

Manufacturing building, Frankford, \$2,900. Chas. Lennig Co. (O), Front street, Philadelphia. National Fireproofing Co. (C), 320 Land Title Building. Hollow tile, 1 story, 71x74 feet.

Oil Storage, 2545 Aramingo avenue, \$400. John L. Lewis Co. (O and C), on premises. Brick, 1 story addition, 14x18 feet, tile roof.

Store and dwelling, Ritner and Beulah sts., \$1,300. J. Cohen (O), 2635 North Thirty-first street. J. Binder (C), 1817 South Fourth street. Repair fire damages.

Engine room, 50 East Laurel street, \$3,000. Northern Liberty Gas Works (O), Third and Brown streets. Jos. Bechler (C), Fifteenth and Race street. Repair fire damages.

Tailor shop, Seventh and Lyeoming streets, \$600. A. Bochus (O), 4062 North Seventh street. William Yost (C), 2751 Frankford avenue. One story addition, 14x15 feet, slag roof.

Porch, 5320 Overbrook avenue, \$500. Bruce Byall (O), on premises. J. Y. Rippens (C), Fifty-fourth and Wynnefield avenue. Porch and repairs.

Store and dwelling, Twenty-third and Aspen streets, \$1,800. J. Brogan (O), Twenty-fourth and Buttonwood streets. E. E. Halenbach, Inc. (C), Fifteenth and Race streets. Alterations, bulk windows.

Dwelling, 3114 North Sixteenth street, \$300. E. W. Geshard (O), 3114 North Sixteenth streets. The Maken Heating Co. (C), 1827 Filbert street. Warm air heating system.

Garage, Fifteenth and Courtland streets, \$3,800. Strawbridge & Clothier (O), Philadelphia. Boan & Sample (C), 1708 Arch st. Steam heating system.

Store and dwelling, 623 South Thirteenth street, \$300. Patrick Hardeman (O), 1234 Christian street. F. P. Dillon (C), 1223 South Twentieth street. New flush bulks.

Restaurant, 139 North Eleventh street, \$300. Schoop & Schaefer (O), on premises. Wm. F. Dougherty (C), 925 Arch street. Range and fireproof hearth.

Alterations and Additions

Distillery, Delaware avenue and Mifflin streets, \$1,000. David Bey Co. (O), on premises. Joseph Devon Co. (C), 1530 South Sixth street. Frame, 1 story, 32x75 feet, slag roof.

Stable, 411 East Callom street, \$500. Eli Palo (O and C), 411 East Callom street. Brick,

2 stories, 14x32 feet, slag roof.

Store and dwelling, 507 South Twelfth st., \$2,500. Samuel Kline (O), on premises. A. P. Lucken (C), 1727 North Fifty-first street. Flush bulks.

Dwelling, 1110 South Eighth street, \$400.

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Restaurant, 7 and 9 North Second street, \$300. Max Sheetz (O), 11 North Second street. Wm. Dougherty (C), 925 Arch street. Range.

Warehouse, 2111-19 North American street, David McMullin (O), on premises. Theo. Warfle (C), 916 North Thirteenth street. Repair fire damage.

Dwelling, 6023 Lombard street, \$40,000. James W. Stott (O), on premises. L. W. Zell (C), Cardington, Pa. Brick, 2 stories rear addition, 10x16 feet, slag roof.

Store, 4629 Frankford avenue, \$3,000. Caslor Bros. (O), Aratt and Pillings streets, Frankford. Rush Bros. (C), 1100 Fillmore street. Brick, 3 stories addition, 16x30 feet, slag roof.

Store and dwelling, 248 North Sixteenth street, \$300. Benj. Alexander (O), Hale Building. H. L. Roberts (C), 228 North Sixteenth street. Steam heating system.

Residence, 1300 Queen street, \$1,200. E. H. Charles (O), 1304 Green street. Jos. F. Myers Co. (C), 1237 Ridge avenue. Two-story rear addition, 12x14 feet, tin roof.

Shipping room, 1201 Sansom street, \$400. W. H. Battles (O), 114 South Twelfth street. Jos. Myers Co. (C), 1237 Ridge avenue. Repairs.

Crane runaway, Fifty-fourth and Gray's avenue. Tioga Steel & Iron Co. (C), on premises. Belmont Iron Works (C), Twenty-second and Washington avenue. Crane runaway.

Dwelling, 3823 Frankford avenue, \$650. Agnes Orr (O), Busleton avenue and Knox street. James Orr (C). One-story rear addition, 14x20 feet, slag roof.

Dwelling, 3013 Frankford avenue, \$350. Agnes Orr (O), Bustleton avenue and Knorr street. New bulk repairs.

Shop, 1204 North Warnock street, \$950. Edw. Stephens (O and C), 1209 North Eleventh street. Brick, 2 stories addition, 17x60 feet, slag roof.

Storage Building, Venice Brank and Manayunk Canal. Chas. McDowell (O), Main st., Manayunk. Wm. Eddleman & Sons (C), 453 Green lane. Repair fire damage.

Store, Fifth and Lindler avenue, \$6,000. Sand A. Johnson (O and C), Wildwood, N. J. Brick, 1 story, 16x21 feet, slag roof.

Stands, Franklin Field, Thirty-fourth and Spruce streets, \$800. U. of P. (O), Thirty-fourth and Spruce streets. Doyle & Co. (C), 1519 Sansom street. Stands, 64x270 feet.

Theatre, 41 and 43 South Fifty-second st., \$900. C. H. Schermerhorn (O and C), Kings Court Apt., Thirty-sixth and Chestnut streets. Repairs, new floor.

Store, 52 and 54 North Eighth street, \$1,235. M. Dannebaum Estate (O), Ninth and Market streets. Louis Cohn (C), 417 Christian sts. New flush bulks, fireproofing.

Store and dwelling, Eleventh and McKean streets, \$410. Frank Gastano (O), 2003 South Eleventh street. Hand & Sloan (C), 1013 McKean street. Repairs, new flush bulks.

Dwelling (rear), 1119 Walnut street, \$700. Simpkins (O), 834 Land Title Building. Chas. Hoffman (C), 210 Dickinson st. Fire escape.

Meeting room, 902 North Eleventh street. Anna Ross Camp No. 1, S. of V. (O), 952 N. Eleventh street. Harry Yerger (C), 4431 N. Nineteenth street. Brick, 2 stories side addition, 15x35 feet, slag roof.

Dwelling, 1630 Sansom street, \$3,200. F. P. Mellam Estate (O), Bryn Mawr, Pa. Geo. Dougherty (C), 1725 Sansom street. Brick, 2 stories rear addition, 15x20 feet, slag roof.

Store, 720 Market street, \$2,800. Kohn Adler Co. (O), on premises. P. M. Sase (C), Heed Building. Alterations, tile floors.

Driveway, Somerset and Tulip streets, \$1,500. John D. Graves & Co. (O), on premises. P.

M. Sax (C), Heed Building. Alterations.

Light lunch, Twelfth and Cherry streets, heading Restaurant (O), Reading Terminal. Old Church Co. (C), Twelfth and Cherry streets. Brick, 1 story addition, 1240 feet, slag roof.

Theatre, 729-31-33 Christian street, \$3,000. T. Canola (O and C), 739 South Eleventh st. Fire proof roof, 1 story side addition, 12x15 feet.

Seed store, Taney street, below Pine street, \$900. Chas. Schaal (O), Pine street wharf, Schuylkill. E. C. Haines (C), 1339 N. Sixth street. New roof, repairs.

Store and dwelling, 2512 Cora l street, \$300. William Lives (O), 2954 Kensington avenue. Matthew Masseson (C), 2322 North Howard streets. New flush bulks, repairs.

Stable, Letterly and Jasper streets, \$300. Mrs. Stricker (O), on premises. Matthew Masseson (C), 2322 North Howard street. Repairs.

Dwelling, 5924 Cedar avenue, \$600. C. J. Cunningham (O), 5924 Cedar avenue. Fred. abm & Co. (C), 235-37 Bread street. Hot water heating system.

Store and dwelling, Fifty-fifth and Walton avenue, \$575. L. E. Wassham (O), on premises. Fred. Sabin Co. (C), 237 Bread street. Hot water heating system.

Store and dwelling, 237 North Sixteenth street, \$950. Marcus Casonchix (O), 1512 Arch street. M. Hoffman (C), 1931 S. Eighth street. Brick, 1 and 2 stories, 6x12 feet, slag roof.

Store and dwelling, 326 South street, \$1,300. Geo. Orluvity (O), on premises. J. Gorchor (C), 4116 Girard avenue. New flush bulks.

Factory, Wishart and Martha streets, \$500. Cleveland Worsted Mills (O), on premises. Harry Drake (C), 3047 Frankford avenue. Repairs.

Shed, 1415-17-19 North Thirty-first street, \$1,800. Geo. F. Baurer (O), on premises. Philip Haibach Const. Co. (C), 1261 North Twenty-sixth street. One-story addition, 26 x48 feet, slag roof, frame.

Dwelling, 5340 Germantown avenue, \$850. John Conlin (O), Pulaski avenue. W. J. Cowell (C), 943 E. Chelton avenue. Flush bulks, hot water heating.

Factory, Howard and Palmer streets, \$540. Cosmos Building Loan Asso. (O), 1218 Chestnut street. Harry Huehnlern (C), 2046 Trenton avenue. Repairs.

Store, 248 South Fortieth street, \$1,000. H. W. K. Co. (O), 248 South Fortieth street. Larry Smith (C), 4007 Chester avenue. One-story rear addition, 20x42 feet, slag roof.

Chair factory, 240 South Second street, \$750. F. Thompson (O), 240 S. Second street. Herman Goldner (C), 425 W. Lehigh avenue. Steam heating system.

Garage, 4312 North Broad street, \$1,000. F. W. Kroessen (O), on premises. John Basden & Bro. 637 North Nineteenth street. Steam heating system.

Store and dwelling, Thirty-first and Page street. Hick Exchange (O), 2014 N. Thirty-first street. N. Bakst (C), 1540 North Sixth street. Flush bulks, repairs.

Two dwelling, 319-21 Laney street, \$800. Agnes Granhelt (O), on premises. Krewsen Pros. (C), 328-30 Franklin street. Repairs to dwellings.

Garage, 750 North Brooklyn street, \$1,400. Mrs. A. S. Butz (O), 750 Brooklyn street. Jos. M. Walm (C), 5556 Arch street. Repairs.

Store and dwelling, 4749 North Broad st., \$450. Patrick Brady (O), on premises. John Borden & Bro. (C), 537 North Nineteenth st. Hot water heating system.

Garage, 1837 North Woodstock street, \$790. Snowden & Co. (O), Nineteenth and Fairmouth avenue. John Borden & Bro. (C), 637

North Nineteenth street. Hot water heating system.

Shop, 141 South Twenty-fourth street, \$800. John Kennedy (O), 1001 Chestnut street. C. Swartz (C), 5703 Chestnut street. One-story rear addition, 17x36 feet, slag roof.

Dwelling, 1111 North Fortieth street, \$1,600. D. Wishmoskey (O), 1116 North Fortieth st. J. Garchov (C), 4116 Girard avenue. Brick, 1 story, 16x13 feet, slag roof, flush bulks.

Kitchen, 2723 Girard avenue, \$400. Morris Colena (O), on premises. Sam Stein (C), 1233 South Sixth street. Brick, 1 story rear addition, 14x12 feet.

Tank supports, Swanson and McKean sts., E. F. Drew (O), on premises. Cope-land Turher (C), 418 Walnut street. Tank supports.

Store and dwelling, 332 North Eighth st., \$900. M. Sussman (O), 318 Market street. S. Bennett (C), 415 Spruce street. Second-story addition, 15x50 feet, slag roof.

Undertaker shop, Fifty-sixth and Spruce, A. H. Chew (O), 1928 Federal street. Cunningham (C), 2016 Alter street. Second-story addition, 16x46 feet, slag roof.

Kitchen, 730 South Eleventh street, \$300. Michael Del Colla (O), on premises. Frank Manfreda (C), 1012 Fitzwater street. Brick, 1 story rear addition, 16x14 feet, slag roof.

Exchange, Seventeenth and Allegheny avenue, \$1,000. Bell Telephone Co. (O), 1631 Arch street. F. L. Hoover (C), 1023 Cherry street. Repairs.

Store, 38 North Sixth street, \$1,000. Mad-dock & Co. (O), 36 North Sixth street. R. C. Ballinger (C), 218 North Thirteenth street. Repairs and alterations.

Dwelling, 1619 South Sixth street, \$450. Jos. Haplan (O), on premises. Chestnut & Co. (C), 528 Reed street. Second-story rear addition, 12x27 feet, third-story, 12x13 feet, flush bulks.

Manufacturing building, Twenty-third and Vine street. Newton Coal Co. (O), Twenty-third and Vine streets. Rus. J. Whiteside (C), 2115 Wallace street. Repairs.

Store and dwelling, 628 Pine street, \$3,320. John Smith Estate (O), 505 Chestnut st. Patrickoff (C), 1110 North Forty-first street. Brick, 2 stories addition, 10x12 feet, slag roof.

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 1, 1916.—Sealed proposals will be opened in this office at 3 p. m., November 29, 1916, for the construction of mezzanine floors and certain alterations, etc., at the United States postoffice and courthouse, Philadelphia, Pa. Drawings and specifications may be obtained from the custodian at Philadelphia, Pa., or at this office, in the direction of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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Reference Directory for Architects, Builders and Owners

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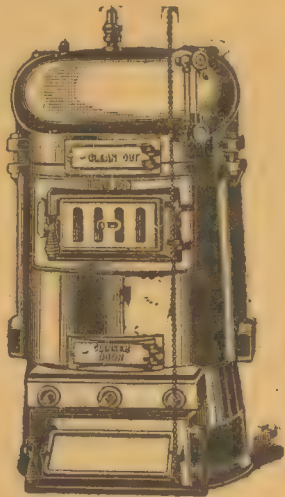
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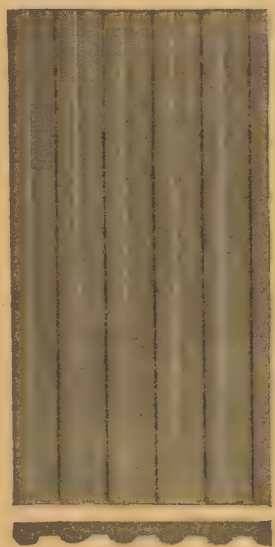
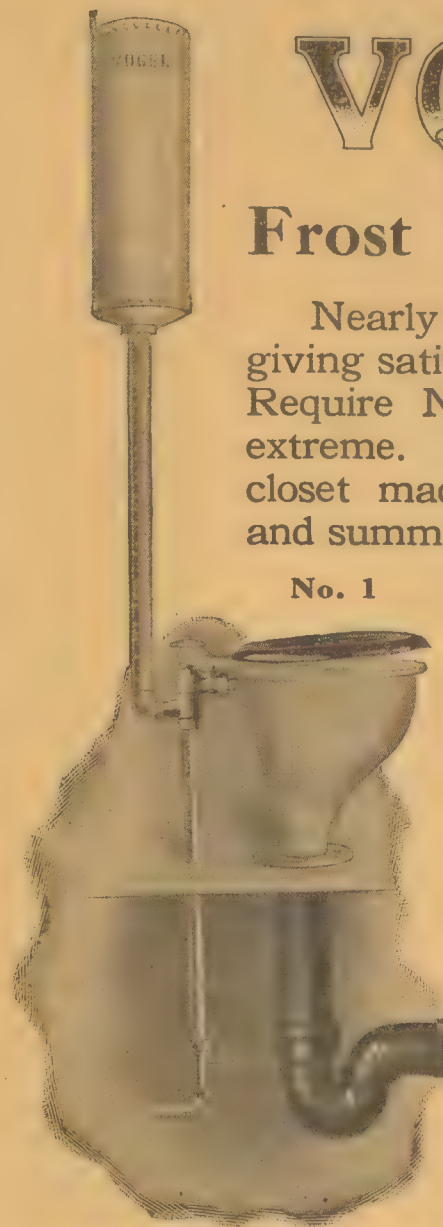
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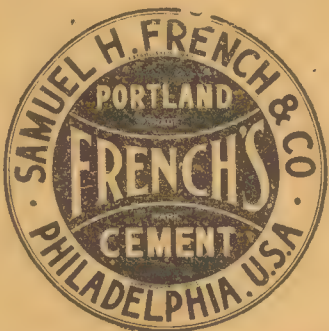
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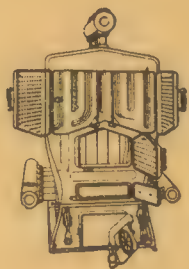
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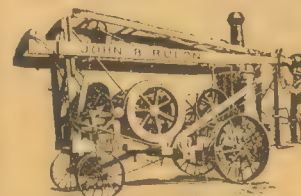
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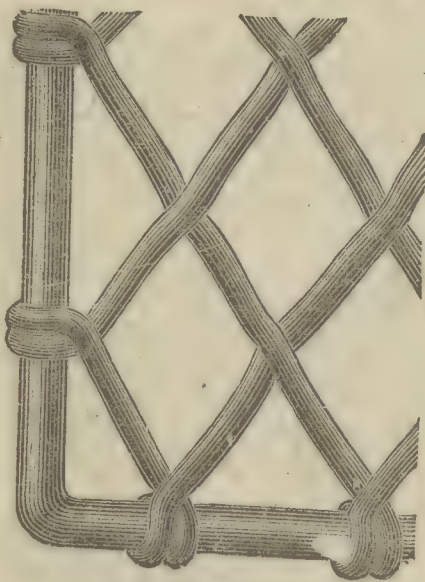
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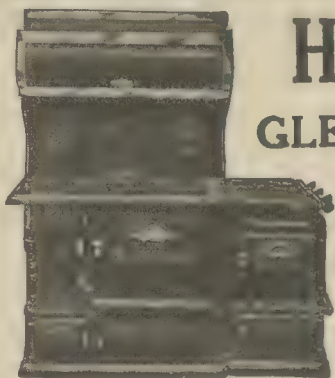
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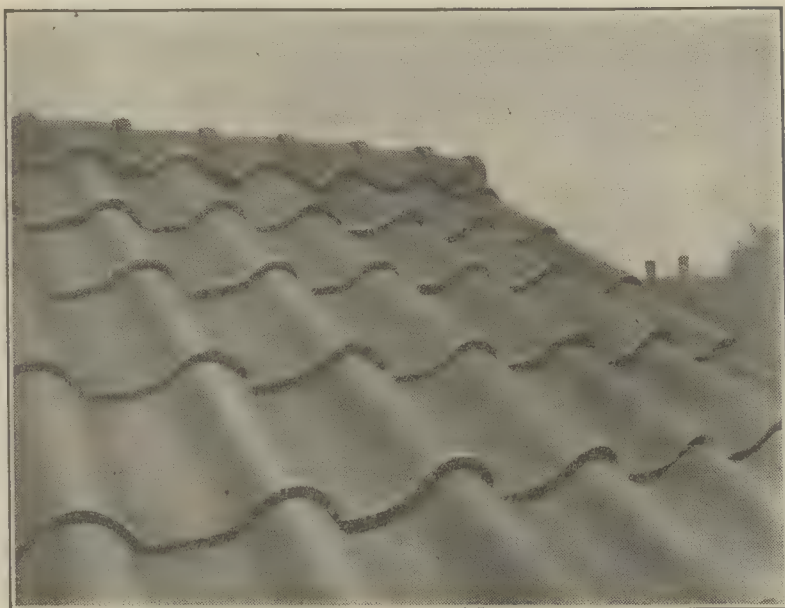


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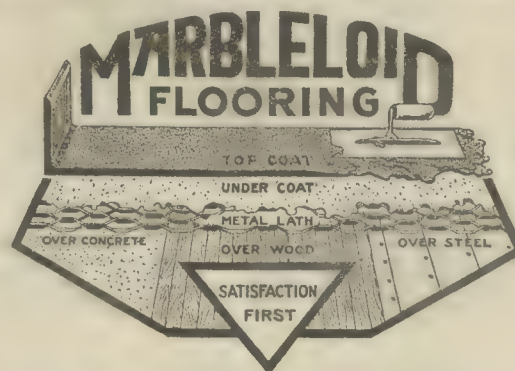
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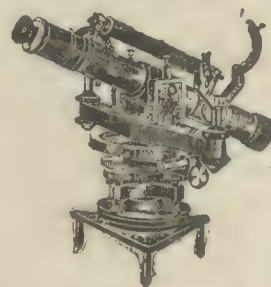
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 47

PHILADELPHIA
November 22, 1916



As The Editor Sees It



THE *New York Sun* had an interesting little chapter, in a recent issue, on the rising trend of the prices of building material. An extract therefrom follows:

"Buyers of Portland cement are advised of a further advance in the price of this commodity within the near future. The immediate prospective jump will probably be 10 cents a barrel, although conditions warrant an advance of 15 cents. There is talk among manufacturers of putting the price up 25 cents a barrel. The new \$1.77 price does not make up for the increased price of coal. There is no present doubt but that the price of Portland cement next spring will be \$1.40 to \$1.50, mill, making an approximate quotation for this market of \$2 a barrel. This mill price of \$1.40 to \$1.50 a barrel is not record breaking, the highest previous quotation being \$2 and \$2.25, mill, or about \$2.40 to \$2.50 a barrel in New York.

"The sudden stiffening of the price of Portland cement was caused by a further advance in the price of coal.

"The price of wired, rough, ribbed and figured rolled glass has advanced 10 to 20 cents on current lists. Window glass and plate glass are remaining firm and without change in discounts. Stocks are still ragged because the factories have just started up and have made no shipments.

"The price of Hudson River common brick in the market on Saturday a week ago was \$8. The Raritan common brick is out of the market. Richmond brick manufacturers report demand exceptionally heavy. There were en route from Haverstraw one barge on Saturday morning, one barge from Newburgh and six from up river yards. Of this number five were sold before they started, leaving only three for the first of the week, or approximately 1,500,000 brick

to supply New York's demand last Monday.

"Structural steel advanced 1 cent a pound. All iron is higher. Asphaltum in tank cars to contractors is \$17, base. Copper is firmer. There is no change in the price of gravel."

And in the face of conditions such as these investment builders are heard to wonder why it costs so much more money to build to-day than it did five years back!

* * *

DESPITE the steadily advancing cost of material and labor 1916 will go down into history as a record year for building activity.

Building trade activity surged forward in October, and values of buildings permitted for in that month showed a very large gain over October a year ago, a month which in turn showed a very heavy gain over the like period two years ago. Returns to *Bradstreets* from 141 cities roll up a total estimated expenditure never before equalled in that autumn month. Following are the October and ten months' records of building expenditure for six years past:

	October.	Ten months.
1916.....	\$82,951,962	\$847,395,894
1915.....	66,494,787	685,755,778
1914.....	52,535,818	697,223,189
1913.....	66,141,492	759,266,333
1912.....	73,128,886	787,604,000
1911.....	66,746,617	731,762,927

The ten months' expenditure so far outlined, with a number of cities yet to hear from, exceeds that of the entire year of 1915 and is 7.6 per cent. greater than that done in the best year hitherto reported—1912.

A condition for which we have every cause to be thankful.

* * *

AN innocent little item that crept in to the Editorial Notes in last week's GUIDE furnished the first

inkling to many of us of the circumstances that outside architects were again meddling in the matter of a purely Philadelphia project, namely, the design of the new \$4,000,000 Art Museum which is to go on the Parkway. Mr. Eli Kirk Price, in response to a question put by Mayor Smith as to the progress being made upon the plans for the new museum, explained that three architects of New York City, Arnold H. Bruner, John Russell Pope and B. N. Fenner "had recommended changes in the plans for the building affecting the architectural design principally."

THE GUIDE recognizes as clearly as it is possible for any one the eminence, as architects, of the three gentlemen named, but is, for all that, moved to a spirit of earnest and indignant protest.

If Philadelphia had no architects of her own equal to the task of suggesting needful or necessary changes in the Windrim design we should still feel inclined to insist upon the propriety of recognizing local talent. To call in outside skill in face of the many distinguished designers associated with the practice of architecture here in Philadelphia amount to a confession of inferiority that cannot be regarded as other than hurtful, misleading and injudicious, be the underlying motive be what it may. Mr. Windrim's plans have had the enthusiastic approval of architects and laymen. They want nothing whether of dignity, architectural grace or stately impressiveness. Just where New York talent, however eminent, gets a right to offer recommendations affecting a public work peculiarly Philadelphian we are at some loss to imagine. Indeed we regret that our worthy Mayor failed to pursue the subject to an issue determining with some degree of definiteness by whose invitation outside talent was moved to intermeddle.

In the case of the Art Alliance Building we received the assurance that the

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**BLUE
PRINTS**

selection of a Boston designer was raised above all local consideration by the distinction of the architect chosen in the order of design prescribed. Surely no such condition obtains in the case of the new Art Museum.

Why, then, this belated intrusion of outside skill?

* * *

SOME years back, when the question of advancing the tax rate on realty was once before the subject of popular discussion, THE GUIDE advanced a suggestion that steps be taken to do away with the practice prevalent then as now among real estate men, of concealing the actual consideration involved in the sale and transfer of realty. William S. Vare, now in Congress, at that time Recorder of Deeds, was so impressed with THE GUIDE's suggestion that he was moved to advocate the wisdom of a State law making it compulsory on the parties to a transfer of title to make public the amount of money on which sale was based.

Realty men made a great hue and cry at the revolutionary character of Recorder Vare's stand, going so far as to assert, some of them, that a law such as that proposed, would make it virtually impossible for real estate men to do business. How, they argued, would it be possible for the broker to do business under conditions enabling the buyer to gauge accurately the question of relative values.

The demand for the bill was not pressed, the real estate men were correspondingly mollified and the incident passed.

That it was not forgotten, however, was somewhat sharply brought to mind here the other day when in the course of the tax hearings before Councils Finance Committee, Select Councilman William E. Finley, one of the Vare leaders, charged real estate men with habitually evading information as to property values.

And as an aftermath, now comes the more or less astonishing tidings that the Philadelphia Real Estate Board has decided to go on record in favor of the very piece of legislation against which they inveighed so copiously a few years ago.

In other words, the real estate men are, themselves, now ready to do away with the time-honored practice of hiding the consideration under such terms as "nominal" and are prepared to back a State law bringing about this reform in the passing of title.

* * *

I AM in receipt, from the National Board of Fire Underwriters, of a communication, of more than passing interest, bearing on the importance to

large manufacturing plants of avoiding cheap and uninspected fire hose.

"The importance of knowledge gained from accurate testing, as opposed to guess-work, has just been illustrated anew at Allentown, Pa.," says this communication. "The peculiar circumstances of the case give it a general public interest.

"In the month of October, the Copley Cement Manufacturing Company of Allentown, had a fire in its stone bunker—presumably from a locomotive spark. The bunker was a slow-burning construction, the fire was quickly discovered and the mill fire squad responded promptly; there should have been little loss.

"The fire squad attached a coupling of the plant's expensive new fire hose, ran it to the blaze and turned on the water. The hose burst in five or six places and the fire merely gained headway. The disgusted squad hurried to uncouple the hose and throw in another length, which immediately burst like its predecessor.

"By the time a successful stream was finally secured the fire was burning fiercely. The loss amounted to \$7,000 and was almost entirely due to the failure of the hose.

"Why did the hose burst?

"A \$7,000 blaze is of no great public interest, but the answer to this question concerns everyone.

"Note these points: The hose was not old, but new. The company had not economized by purchasing cheap hose; on the contrary, it is reported to have taken a special measure of precaution—i. e., had specified and paid for hose inspected by the Underwriters' Laboratories.

"It is alleged that the agents of the manufacturers who sold this faulty hose made the false charge that the Underwriters' hose, to a large extent, is 'a game of graft on the part of the insurance companies,' and naturally discrediting the value of the rigid inspection made by the Underwriters' before a label is permitted to be placed upon fire hose by the Laboratories."

* * *

THE incident serves to emphasize the need of proper testing to safeguard the life and property and three important points in connection with this fire deserves consideration:

"1st. The hose in question was not Underwriters' hose. It is reported to have been sold for Underwriters' hose and to have included in the price the Underwriters' charge of one cent per foot for inspection.

"2nd. Before an Underwriters' label may be attached, each length of mill yard fire hose is tested at the hose factory under three hundred pounds pres-

sure by an inspector of the Laboratories, and must be shown to withstand that pressure test before it may be used. The defective hose at Allentown did not bear this label and is reported to have burst at a pressure much less than the three hundred pounds required.

"3rd. The Laboratories' test is the direct opposite 'of a game of graft.' It is maintained under the direction of the National Board of Fire Underwriters in the interest of public safety at a large annual expense to the companies. The charges made for inspection are nominal and the work is not intended to and does not produce a profit.

Any product that can comply with the standard of its tests can secure its label, but no product will be labeled under any circumstances until it has withstood the rigid test necessary to prove its worth in time of need.

"The lessons of this incident are two fold. In the first place, life and property may be, and often are, sacrificed to imperfect fire hose. In the second place, those who wish the security furnished by fire hose tested and passed by the Underwriters' Laboratories must make sure that each length bears a label certifying to such test. Without such label, any statement by any salesman to the contrary notwithstanding, the hose is not 'Underwriters' hose.'"

* * *

IF you would live long, get a job in a paint factory. The danger of poisoning from lead has been overestimated. Examples of men who lived to be one hundred and two years old, working all their lives in paint factories, are proof of the safety of this much-maligned occupation.

Such was the tenor of the testimony which was presented to the members of the State Industrial Board and the State Department of Labor and Industry by representatives of the paint manufacturers of Pennsylvania and New Jersey, in a hearing in the North American Building, to discuss the introduction of health-guarding methods in paint factories, and the regulation of their employees' habits.

Among the paint manufacturers present were A. S. Mahl, E. J. Frysinger, A. J. Hayden, Rushton Marot, Edward T. Longstreth, W. C. Murray and A. P. Wetherill, together with John A. Schaeffer, of Joplin, Mo., who represented Western paint manufacturers. Three members of the State Industrial Board, William Lauder, its secretary; William Young and Mrs. Samuel Semple, were present. Dr. J. S. Spicer, of the State Department of Labor and Industry, and Dr. F. D. Patterson, chief of the department's division of hygiene and engineering, represented that department.

Dr. Patterson, who presided at the hearing, stated that at a preliminary discussion of the subject, it had been found necessary to draw up three separate codes of regulations, one applying to the "corroders," who burn the lead to make carbonate of lead; one for the "grinders," who grind the lead; and one for the dry-color workers. It was found, he said, that these occupations varied so much in their nature that one set of regulations could not apply to all three.

A rumor that the manufacturers in-

tended to test in court any code which might be adopted was denied by Dr. Patterson and several of the manufacturers present. A. P. Wetherill, W. C. Murray and others asserted that the manufacturers have no intention of fighting the proposed legislation, as they desire to protect the health of their employees and are prepared to do so, even though the new regulations entail added expenses. There is perfect harmony, they said, between the commissioners and themselves.

campaign during the national electrical week. This will be observed in every city throughout the country from December 2 to 9.

* * *

Director of Public Works Datesman has awarded contracts for constructing many branch sewers in outlying sections of the city, at a total cost of more than \$100,000. The money will be obtained from proceeds of the \$7,500,000 general improvement bonds sold recently.

The larger sewers are to be located in the following thoroughfares: Mt. Airy avenue, from Lincoln avenue to McCallum street, \$20,000; Eighth street from Northeast Boulevard to Ruscomb street, \$16,100; Sixteenth street from Wyoming avenue to Loudon street, \$16,500; Grange street from Fifth to Seventh streets, \$10,100; and Berkley street from Pulaski avenue to Morris street, \$11,000.

* * *

The Sash and Door Manufacturers' Association of Philadelphia and its Vicinity was formed recently at the Bingham Hotel. Daniel Adams was elected president.

Meeting in the board room of the Philadelphia Chamber of Commerce, the sub-committee of the Committee on Municipal Affairs indorsed the plans for the new city auditorium, and passed a resolution congratulating the Mayor, Director Datesman and the architect, John T. Windrim, upon the thoroughness with which the plans had been developed.

The meeting was presided over by Charles P. Vaughan, one of the vice-presidents of the Chamber of Com-

EDITORIAL NOTES

"Construction work is being carried on in this country at an unprecedented rate," B. F. Affleck, president of the Portland Cement Association, is quoted as saying. "The value of building permits taken out in 112 cities in the United States during the first eight months of the current year totals \$672,448,265, making an increase of almost 30 per cent. over permits taken out during the same period last year. Everything points to a continuance of the present satisfactory conditions and I look for an equally active building season in 1917, if indeed we do not exceed this year's record."

* * *

The United States Government has appropriated \$500 to the American Consul at Lyons, France, for expenses in connection with the display of American catalogues at the Lyons Fair to be held March 1st to 15th, 1917. Any manufacturer who is interested in export business should send his catalogue to the American Consul at Lyons that he put it on file for interested buyers in France who visit this fair.

* * *

Princeton University is considering the establishment of an architectural school. It has been estimated that \$250,000 would be necessary to properly establish the new school, and before the trustees met enough interest had been created in the proposed plans so that a friend of the university offered to give \$50,000 provided the rest of the amount could be obtained by October, 1917. The committee of the board of trustees considering the matter is composed of Henry B. Thompson, '77, chairman; Cyrus H. McCormick, '87; Prof. Howard C. Butler, '92; H. O. Milliken, '05, and President Hibben, ex-officio. At a meeting of the Princeton Architects' Association last June they sent a recommendation to the trustees that a school of architecture be established which would be an enlargement of the present de-

partment of archæology and would make use also of the scientific and technical courses now available at the John C. Green School of Science.

* * *

Early American and English furniture embracing a collection of 137 pieces has been placed on view in Memorial Hall, Fairmount Park, by the Pennsylvania Museum and School of Industrial Art. The exhibition will continue for a month.

* * *

Fire losses amounting to \$500,000,000 annually in this country were discussed before the Poor Richard Club by C. Louis Allen, who declared that carelessness, recklessness and lack of preparedness, are responsible for much of the loss.

* * *

Famous Colonial buildings in New England were built by obscure carpenters, without drawings, according to Professor Fiske Kimball, University of Michigan, who addressed the Pennsylvania Society of the Archæological Institute of America.

* * *

The Foreign Department of the National City Bank, has advised that it will receive catalogues of American manufacturers for all of their branch offices in South America.

Statistically compared by Dow, Jones & Company, the average price of eight iron and steel products is 76.28 per ton, against 35.45 a year ago. The upturn in the last few days has been the most rapid of the whole movement, and, as the *Iron Age* says, the higher prices go, the easier it is to advance them further.

* * *

A. L. Hallstron, Philadelphia, sales manager of the Western Electric Company, urged members of the Jovian Electrical League, at a luncheon at the Adelphia, to invest a part of their profits in newspaper advertising so that the trade in this city will have a successful

BUILDERS' GUIDE

FORMERLY

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and Builders' Guide

PUBLISHED WEEKLY

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Irving Dillon.....Editor

merce, and Director Datesman explained in detail the blue prints.

* * *

Philadelphia manufacturers 211 of the 264 products made in America.

* * *

At the seventy-fourth meeting of the Society of Arts and Letters in the New Century Club Rooms, 124 S. 12th St., Richard Ellison Wilson and Charles B. McMichael discussed the influence of ancient Spanish art and literature upon modern America.

* * *

The London Builder does not anticipate a speedy return to normal conditions, locally, after the war is over. The restoration and rebuilding of the war-devastated countries, which will benefit those who take a hand in it, will swallow up no mean proportion of the available supplies of materials, and this fact, in conjunction with the restricted shipping facilities there will be for some time after the conclusion of hostilities, will tend to keep up the prices of builders' materials which are, of course, very high.

London builders are inserting a clause in their contracts stating that they are based upon prices of materials and the rates of wages prevailing at the time of tendering, and providing that any proved advance in cost unavoidably and exclusively due to war conditions shall be adjusted on the completion of the work, besides allowing an extension of time where delay in the delivery of material or goods is due to war conditions.

CONVENTION TOPICS NAMED.

The fiftieth annual convention of the American Institute of Architects will start a three-days' meeting in Minneapolis, Minn., on Wednesday, December 6.

This convention, perhaps more than any previous one, will be devoted to the consideration of topics of broad public interest. A special session will be given up to a constructive discussion of Government methods in public building work, and another to architectural education in our universities.

The Board of Directors, together with the Minnesota Chapter, invites the architects of the country, as members of the profession and regardless of institute affiliation, to attend the convention and take part in its proceedings.

PENN MEN CARRY OFF FOUR BEAUX ARTS MEDALS.

Students of the University of Pennsylvania School of Architecture "cleaned up" the country in the Beaux Arts competition recently held in New York. First medals were awarded to Lancelot Suckert and R. W. Blaine, both partial architectural students at Penn. The other first place medal was given to a student in the New York atelier of John

Wynkoop, design critic at the University here.

Pennsylvania's second place winners were L. C. Licht and A. P. Goodwin, first-year special students. J. Kuchler, a sophomore, and John Tanner, of the class of 1916, received honorable mentions.

More than eighty drawings from institutions all over the country were submitted. The subject was "A Monastic Church." Pennsylvania entered six men in the contest, and of these four were medal winners. The University's closest rivals, Cornell and Columbia, carried off but one medal each.

Pennsylvania students captured all the honorable mentions in the famous Loeb prize contest, held annually in New York, it was announced. The subject this year was "A Frame for the Original Constitution of the United States." The successful students were F. M. Holcombe, Lloyd Morgan, George M. D. Lewis and R. J. Richardson.

CLEANING TERRA COTTA.

In connection with the walls of a brick building it was desired to clean and brighten the terra cotta trimming, the bricks being of a deep tan color, while the terra cotta was of a light cream that had turned dark and was unsightly from many years' exposure. In answer to this question by a correspondent of the "Painters' Magazine," the latter furnishes the following:

"The simplest way to accomplish this is to mix two pounds of powdered pumice and one pint of liquid ammonia with one gallon of soft soap, applying the mixture to the surface to be cleaned with a fibre wall brush, allowing it to remain about thirty minutes. Then rub briskly with a good scrubbing brush. When on trial it shows that the compound has done its work, clean it off with lukewarm water by using a large sponge and rinse, if possible, with a hose, otherwise with the sponge and a liberal supply of clear water. If after drying the terra cotta appears dull, it may be revived by rubbing it over with a cloth saturated with kerosene oil, which will give it somewhat of a 'sheen.'"

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

If you can persuade people to buy your goods you make money. "The Guide rounds up in its clientele the people you want to persuade. A certain amount of space and the right kind of selling argument does the rest.

REAL GOLD UNMINED.

"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers "stick" year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

There's one variety of advertiser who gets our Angora. This is the chap who can't afford a large space and doesn't advertise, as a regular thing, because a small space "isn't seen." Some of the biggest advertisers we have started out with small space. Ask them whether the small space is seen. If advertisers had to wait until their businesses developed to full page stature before advertising, there'd be mighty few advertisers. The big man becomes big by growth. And growth starts with the seed.

Advertise and the world buys of you;
Renig, and you need a loan.
If you never tell what you have to sell,
You'll have troubles all your own.
— 'Los Angeles Evening Herald.'

PLACE AND VALUE OF THE TRADE PAPER.

"Eloquent speakers who have preceded me have told of the greatness of our American industries, and have rightly given to advertising a large measure of credit for our industrial and commercial supremacy.

They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Twin Residences, 4 and 6 W. Coulter street, Germantown. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, J. S. Walken, 228 Manheim street, Germantown. Brick and rough cast, 2½ stories, slate roofs, hot water heat, electric light, tile work, hardwood floors. Architects taking revised bids, due in 10 days. Samuel Harting, 22 E. Johnson street; F. Elvidge & Son, 5522 Germantown avenue; G. W. Whitenar, 402 E. Penn street; Chas. Johnson, 5701 Boyer street; R. M. Peterson, 5250 Wakefield street, I. A. Dunkelberger, 72 E. Herman street, are figuring.

Crushing Plant, Bridesburg, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Abrasive Co., James and Fraley streets, Philadelphia. Brick, steel and reinforced concrete, 2 and 3 stories, 46x85 feet, slag roof, cement and maple or gum wood floors, metal sash, waterproofing, fire doors. Architects have received revised bids.

Stores (alt.), 900 Chestnut street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Lea Estate, 700 Sansom street, Philadelphia. Interior alterations, marble, brick and reinforced concrete, metal sash and lath, maple and cement floors, hollow tile work, tile work, terrazzo work (heating and lighting reserved). Architect taking revised bids, due November 24th. Pomeroy Const. Co., 1609 Ranstead street; P. Haibach Cont. Co., Twentieth and Thompson streets; H. E. Baton, Twelfth and Sansom streets; F. L. Hoover & Sons, 1023 Cherry street; Ketcham & McQuade, 1029 Brown street; Chas. McCaul Co., 1713 Sansom street, and Geo. L. Sipps, 912 Locust street, are figuring.

Residences (19) and **Garages**, Sixty-first st., Wharton to Latona street. Architect, private plans. Owner, Hugh O. Forbes, 5916 Catharine street, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hot water heating, electric lighting, hardwood floors tile work. Owner taking sub-bids on all lines.

Residences (24) and **Garages**, Sixtieth and Columbia avenue. Architect, private plans. Owner, Daniel De Hogan, 5249 Walnut street, Philadelphia. Brick and stone, 2 stories, 16x40 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner taking sub-bids.

Residence, southeast corner Washington lane and Ogontz avenue. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, Edward F. Schwingle, 2637 W. Hagert street, Philadelphia. Stone, 2½ stories, 62x28 feet and 16x20 feet, tile roof, oak floors, hot water heating, electric lighting, metal lath, tile work. Owner will take sub-bids in about one week.

Residence, Gowan and Stenton avenues, Mt. Airy, Philadelphia. Architect, Chas. E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, Henry A. Laughlin, West Chestnut avenue, Chestnut Hill. Stone, 2½ stories, 31x58 feet, slate and tin roof, hot water heating, oak and pine floors, electric lighting, metal lath, tile work. Architect has received bids.

Service Building (alt. and add.), 804 North Broad street, Philadelphia. Architect, J. Ethan Fieldstein, Hale Building, Philadelphia. Owner, name withheld. Brick and terra cotta, 4 stories, addition 20x100 feet, slag roof, hot water heating, electric lighting, metal lath

and sash, plank and cement floors, tile work. Architect will take bids in ten days.

Residences (35) and **Garages**, Eleventh and Wyoming avenue, Philadelphia. Architect, J. Ethan Fieldstein, Hale Building, Philadelphia. Owners, Bieran & Cylinder, 531 Mifflin street, Philadelphia. Brick, 2 stories, 16x56 feet, slag roof, hot water heating, hardwood floors, electric lighting, tile work. Owners taking sub-bids.

Residences (15), Forty-ninth and Brown streets, Philadelphia. Architect, private plans. Owner, Michael Kirschner, 421 Synder avenue, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, hardwood floors, electric lighting, tile work. Owners taking sub-bids on all lines.

Stores and Apartments, Broad and Loudon streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Penn Realty and Const. Co., Ogontz and Cheltenham avenues. Brick and terra cotta, 3 stories, 15x79 feet, slag roof, steam heating, electric lighting, hardwood floors. Plans in progress. Owners will take sub-bids soon.

Residences (150), Seventh and Boulevard streets, Philadelphia. Architect, private plans. Owners, Penn Realty and Const. Co., Ogontz and Cheltenham avenue. Brick, 2 stories, 16x45 feet, slag roof hot water heating, hardwood floors, electric lighting, tile work. Owners taking sub-bids on all lines.

Office Building, Frankford Yards, Philadelphia. Architect, Maintenance of Way Dept., Broad Street Station, Philadelphia. Owners, Penna. R. R. Co., Broad Street Station, Philadelphia. Brick, 2 stories, 15x55 feet, slag roof, steam heating, electric lighting, composition, cement and pine floors, tile and marble work. Plans completed. Owners, care Phila. Terminal Division, will take bids in about one month.

Group of Buildings, Front and Federal sts., Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penan. Railroad Co., Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Brick, steel, concrete, plaster, corrugated iron, 1 story, tile, tin and slag roof, steam heat, electric lighting, cement composition and wood floors, metal lath, waterproofing, ventilators. Owners taking bids, due November 29th, at 11 A. M. The following are figuring: John V. Speth & Co., 1714 Sansom street; Metzger & Fisher, Denckla Building; Bailey Lush Co., 201 North Broad street; I. T. Shoemaker, 1324 Walnut street; Frank Mylhertz, McCloskney & Habbs, 1620 Thompson street; Barclay White & Co., 1713 Sansom street; Wm. R. Dougherty, 1610 Sansom street, and Turner Concrete Steel Co., 1713 Sansom street.

Store (alt.), 1520 Locust street, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owners, care Fidelity Trust Co., 325 Chestnut street, Philadelphia. Limestone, 1 story, 21x40 feet, electric lighting, cabinet work, tile and marble work. Architects taking bids, due November 23d. The following are figuring: Stacy Reeves & Sons, 2011 Market street; Hogg Const. Co., 1634 Sansom street; Geo. W. Tipping, Huntingdon Valley, Pa., and E. H. Keefer & Son, 1321 Rodman street, are figuring.

Garage and Apartments (alt. and add.), 703 North Nineteenth street, Philadelphia. Architect, F. T. Uozzell, 147 North Third street,

Philadelphia. Owner, W. A. Dunlap, 701 N. Nineteenth street, Philadelphia. Consists of general interior alterations, rear addition, brick, 1 story, 16x60 feet, slag roof, cement floor, electric lighting, hot water heating. Plans about completed. Architect will be ready for bids in a few days.

Salesroom (alts.), 441-451 North Broad st., Philadelphia. Architect, John L. Coneys, 129 South Fifth street, Philadelphia. Owners-lessee, Hupmobile Sales Corp., 332 North Broad street, Philadelphia. Consists of general interior alterations, new front, tile work, stucco, and plate glass, interior marble work. Plans in progress. Will be ready for bids in one week.

Compressor House, Thirty-fifth and Grays Ferry road. Architects, private plans. Owners, Harrison Bros. & Co., Inc., Thirty-fifth and Grays Ferry road. Brick and steel, 1 story and basement, 39x46 feet, reinforced concrete and slag roof, metal sash, concrete and maple floors. Owners will build.

Sewers, Various locations, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Dept. of Public Works, Geo. S. Datesman, Director, City Hall. Brick and concrete, various sizes, granite curbing, asphalt paving. Owners taking bids, due November 31st, at noon.

Day Nursery (alt. and add.), 5913 Morton street, \$4,000. Architect, Herbert G. Wetherill, 10 South Eighteenth street, Philadelphia. Owners, Morton Street Day Nursery, on premises. Brick, consists of new fire tower, slag roof; cement floors and canvas floors, plumbing, roof garden. Architect taking bids, due November 23d. F. B. Davis, 240 North Sixteenth street; Wm. C. Wright, 22 Harvey st.; F. Elvidge & Son, 5522 Germantown avenue; H. E. Baton, Twelfth and Sansom streets, and Samuel Harting, 20 E. Johnson street, are figuring.

Building alt. and add., 1824 Chestnut st., Philadelphia. Architect, W. W. Sharpley, Brown Bros. Building, Philadelphia. Owner, Oliver H. Bair, 1820 Chestnut street, Philadelphia. Brick, concrete and steel, 4 stories, 26x300 feet, steam heating, electric lighting, steel stack, general interior decorations. Architect taking bids, due November 25th. Lam Building Co., 1001 Wood street, and Thos. Little & Sons, 1713 Moravian street; F. B. Davis, 240 North Sixteenth street, and de Martelly & Co., 1822 Chestnut street, are figuring.

Store (alt. and add.), 3524 Germantown avenue, \$7,000. Architect, Hubert S. Tees, care J. Fletcher Street, 129 South Fifth street. Brick, 2 stories, 75x20 feet, slag roof, hot water heating. Architect taking bids, due November 22d. Pringle Borthwick, 8018 Germantown avenue; John E. Walt, 204 E. Willow Grove avenue, and Geo. S. Roth & Sons, 230 E. Gravers lane; Alexander Caie, 48 E. Chestnut avenue, are figuring.

Lodging House (alt. and add.), 824 Race st., Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, A. Goldberg, on premises. Brick, 3 stories, addition, 40x60 feet, slag roof, hot water heating, electric and gas lighting, yellow pine floors, plumbing. Architect will take bids in about one week.

Altering 2 Buildings for Church, 1235-37 N. Second street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Presbyterian Church, Rev.

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Write or Phone for Circular or Better Still, Ask your Plumber

Christian Klenk, 1233 North Second street, Philadelphia. Consists of general interior and exterior alterations, slag roof, skylight, hot water heating, electric lighting, tile work, marble work, cabinet work, hardwood floors. Plans in progress. Architect will take bids in two weeks.

Factory and Warehouse, southeast corner Front and Allen streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, name withheld. Brick, stone and steel, 4 stories and basement, 35x100 feet, slag roof, metal lath and sash, safety treads, fire towers, concrete work, marble work, pompeian brick work, yellow pine floors, steam heating, combination lighting, office fixtures, electric elevator. Plans in progress. Architect will be ready for bids in about two weeks.

Residences (40), Lebanon avenue and Marllyn road. Architect, private plans. Owner, John J. Marshall, 432 South Sixty-second st., Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner will be ready for sub-bids in ten days.

Store (alt.), 3620 Market street, Philadelphia. Architect, J. Raymond Atkinson, 1618 North Twenty-seventh street, Philadelphia. Owner, Harry Klaiber, 3606 Market street, Philadelphia. Brick, 3 stories, hot water heating, electric lighting, metal lath, oak floors, new bulks, tile and marble work. Owner taking bids. Graham-Campion Co., Heed Building, and Warren E. Biscoe, 3954 Ludlow street, are figuring.

Factory (alt.), Third and Wood streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Janney & Burrough, on premises. Brick and concrete, new elevator shaft, plumbing, skylight, cement floors, ventilators (heating, electric work reserved by owners). Architects taking bids, due November 20th. Graham-Campion Co., Heed Building, figuring in addition to those previously reported.

Stores and Apartments (11) and Garages, Fifth and Olney avenue, Philadelphia. Architect, private plans. Owner, Jacob Shenkman, Duncannon and American streets, Philadelphia. Brick, 2 stories, 16x51 feet, slag roof, hot water heating, hardwood floors, electric lighting, tile work. Owner ready for sub-bids on all lines.

Store, 1525 Chestnut street, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, A. Pomerantz

& Co., 34 South Fifteenth street, Philadelphia. Limestone, brick, terra cotta and reinforced concrete, 6 stories, 22x164 feet, slag roof, oak and maple floors, metal lath and sash and casements, waterproofing, fire doors, marble work (plumbing, heating, electric work, store fixtures, elevators, decorating reserved). Architects have received bids.

Residences (50), Garages (21), West Philadelphia, near Sixty-eighth and Chester avenue. Architect, E. Allen Wilson, 1208 Chestnut st., Philadelphia. Owner, Abraham Farbor, care Mr. Dudnick, 232 Heed Building, Philadelphia. Brick, 2 stories, 15x32 feet to 16x50 feet, slag roof, hot water heating, electric and gas lighting, hardwood floors, cement work. Owners will be ready for sub-bids in one week.

Residences (42), north side of Olney avenue, west of Broad street. Architect, E. Allen Wilson, 1203 Chestnut street, Philadelphia. Owners, McBain & Hart, Inc., Broad and Olney avenue, Philadelphia. Brick, 2 stories, 16x56 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owners and architect ready for subbids. Will start to build in two weeks.

Fire House (alt. and add.), Oak lane, west of Twelfth street. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Dept. of Public Safety, Wm. H. Wilson, Director, City Hall, Philadelphia. Brick, 2 stories, 58x84 feet, slate, asphalt and tin roof, pine, concrete and composition floors, metal lath, waterproofing, metal lockers, ventilators, safety treads, tile work, rolling steel door, tile work, gasoline storage (plumbing, heating, electric work separate bids). Owners taking bids, due November 24th. Lincoln H. Smith, Hale Building; E. F. Fonder, Land Title Building; E. C. Durell, 1713 North Twenty-fourth street; H. H. Wehmeyer, 1004 Lehigh avenue; Jas. Connor, 1317 Arch street; Abel Bottoms & Sons, 3611 Walnut street; Jas. P. Farrell & Co., Inc., 1619 Sansom street; Geo. Dobbin & Co., 8341 Germantown avenue; John H. Jordan, Thirty-first and Oxford sts.; H. E. Baton, Twelfth and Sansom streets, and Fred A. Havens & Co., 845 North Nineteenth street, are figuring.

Fire Stations (2), (alts.), 314 Florist street and 752 South Sixteenth street. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, Dept. of Public Safety, Wm. H. Wilson, Director, City Hall. Brick, terra cotta trimmings, consists of new fronts, plumbing, electric lighting, waterproofing. Owners taking bids, due November 24th. Lincoln H. Smith,

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Hale Building; E. F. Fonder, Land Title Building; E. C. Durell, 1713 North Twenty-fourth street; H. H. Wehmeyer, 1004 West Lehigh avenue; Jas. Connor, 1317 Arch street; Abel Bottoms & Sons, 3611 Walnut street; Jas. P. Farrell & Co., Inc., 1619 Sansom street; Geo. Dobbins & Co., 8341 Germantown avenue; John H. Jordan, Thirty-first and Oxford sts.; H. E. Baton, Twelfth and Sansom streets; Fred A. Havens & Co., 845 North Nineteenth street, are figuring.

Hotel (alt. and add.), Bay Head, N. J. Architects, Magainer & Potter, 603 Chestnut street, Philadelphia. Owners, The Bluffs Hotel, Bay Head, N. J., care A. E. Johnson, Washington, D. C. Frame, new front, new ballroom and general interior alterations. Plans in progress.

Residence and Garage, Lincoln Drive, between Carpenter and Sedwick streets. Architect, D. K. Boyd, 139 South Fifteenth street, Philadelphia. Owner, G. P. Steinmetz, 42 Carpenter street, Germantown. Stone, 2½ and 1 story, 25x40 feet, tile roof, electric lighting, (heating and plumbing reserved), tile work, hardwood floors. Architect taking bids, due November 24th. The following are figuring: Pringle Borthwick, 3018 Germantown avenue; Wm. J. Gruhler Co., 219 E. High street; Wm. S. Kohl, 101 E. Washington lane, and J. D. Lingle, Wayne, and W. D. Smedley, Narberth, Pa.

Hospital (add. and alt.), 1429 South Fifth street. Architects, Magainer & Potter, 603 Chestnut street, Philadelphia. Owners, Mt. Sinai Hospital, on premises. Brick, concrete, fireproofing, 3 stories, 80x60 feet, composition and tile roof, steam heat, metal sash, fire doors, safety treads, composition floors. Plans completed. Architects ready for bids.

Nurses Home, Thirty-fourth and Pine sts., Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Dept. of Public Health and Charities, Wm. Krusen, Director, City Hall. Brick, stone trimming, 5 stories, 80x140 feet, slag roof (heating, plumbing and electric work separate bids), metal lath and sash, water and dampproofing, fire doors, ventilators, tile and marble work, hollow tile, elevators, pine and cement floors, weatherstrips, cabinet work, enameled brick, terrazzo work. Owners taking bids, due November 27th, at noon. Wm. R. Dougherty, 1610 Sansom st.; H. E. Baton, Twelfth and Sansom streets; E. F. Fonder, Land Title Building; Nickson Duggan Const. Co., 1213 Chestnut street; F. G. Stewart, 1619 Sansom street; Chas. McCaul Co., 1713 Sansom street, and Standard Const. Co., Drexel Building, are figuring.

Misdemeanor Court (alts.), Twelfth and Wood streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, care County Commissioners, room 130, City Hall, Philadelphia. Consists of granolithic paving and iron fences. Lowest bidder, Wm. Mundy, 228 South Alder street, \$4,400.

Post Office (alts.), Ninth and Chestnut sts., Philadelphia, Jaa. A. Wetmore, Treasury Dept., Washington, D. C. Owners, U. S. Govt, Treasury Dept., Washington, D. C. Interior alterations, metal lath, tile work, dumb-waiter (plumbing and heating separate bids). Owners taking bids, due November 29th. Nickson-Duggan Const. Corp., 1218 Chestnut street; Alex. Chambley, 243 South Tenth street; Frank M. Weakley, Seymour, Conn.; and A. C. Murison Co., Flatiron Building, New York City, figuring in addition to those previously reported.

Sanitarium (add.), Germantown avenue and City Line. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Bella Vista Sanitarium, care of Dr. H. L. Randall, on premises. Stone, 2 stories, 24x27 feet, slate roof, electric lighting. Plans completed. Architect ready for bids.

Apartment House, Cheltenham avenue and Greene street, Germantown. Architect, LeRoy B. Rothschild, Bulletin Building, Philadelphia. Owner, George C. McCulloch, care of architect. Brick, steel and concrete, terra cotta and stone trimmings, 4 or 6 stories, 90x150 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing, fire doors, elevators, tile and marble work. Plans in progress.

Residences (60), Fifth, Reese and Fairhill streets, from Wingohocking to Blavis streets, Philadelphia. Architect, private plans. Owner, Harry Brocklehurst, 512 West Norris st., Philadelphia. Brick, 2 stories, 15x50 feet and 15x40 feet, slag roof, hot water and hot air heating, hardwood floors, electric lighting, tile work. Owner taking sub-bids on all lines.

Factory, 4937 Stenton avenue, Germantown. Architect, private plans. Owners, Atwater Kent Manufacturing Co., on premises. Brick

and concrete (slow burning), 1 story, 150x200 feet, slag roof, steam heating, electric lighting, metal sash, cement floors. Plans about completed. Owners will take bids in a few days.

Service Building, 1214 North Broad street, Philadelphia. Architect, LeRoy B. Rothschild, Bulletin Building, Philadelphia. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Stone, brick and steel, 2 stories, 30x160 feet, slag roof, steam heating, electric lighting, metal lath, tile work, cement, maple and oak floors, terrazzo work. Architect and owners ready for sub-bids on November 23rd.

Store Building, southwest corner Tenth and Cherry streets, Philadelphia (alt.). Architect, private plans. Owner, Joseph Judovich, 232 South Second street, Philadelphia. Brick, 5 stories, slag roof, steam heat, electric lighting, metal lath and sash, new bulks, elevators. Owner taking bids, due November 25th. Lam Building Co., 1001 Wood street, and E. J. Kreitzburg, 1345 Arch street, are figuring.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Service Building, Broad and Wood streets, Philadelphia, \$350,000. Architects, Kahn & Wiley, Detroit, Mich. Owners, Packard Motor Car Co., L. J. Eastman, Manager, 216 North Broad street, Philadelphia. Brick, concrete, steel and terra cotta, 8 stories, 137x70 feet, slag roof, electric lighting, metal sash and lath, waterproofing and dampproofing, fire doors, ventilators, tile and marble work, metal window guards, cabinet work, (1) dumbwaiter, store fixture, terrazzo work, rolling steel doors (plumbing, steam heating, electric work, (3) elevators and sprinkler system, reserved by owner). Contract awarded to Cramp & Co., Denekla Building, Philadelphia.

Apartment House and Association Building, 3313 North Broad street, Philadelphia. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owners, North Philadelphia Real Estate Brokers Association, on premises. Brick, 3 stories, 21x75 feet, slag roof, hot water heating, electric lighting, tile work, hardwood floors. Contract awarded to John B. Jordan, 1335 South Fifty-eighth street, Philadelphia.

Stable, Water and Mifflin streets, Philadelphia, \$11,500. Architect, H. D. Prettyman, 2603 South Broad street, Philadelphia. Owners, Reader Bros., 1910 South Front street, Philadelphia. Brick, 2 stories, 50x90 feet, slag roof, wood floors, electric lighting. Contract awarded to Jos. Levin Co., 1530 South Sixth street.

Garage, Allen lane, east of McCallum street, Germantown. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Francis B. Bracken, Stephen Girard Building, Philadelphia. Stone, 1 story, 38x25 feet, shingle roof, hot water heating, electric lighting, cement floors. Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

Theatre, southeast corner Broad and Lombard streets, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building, Philadelphia. Owners, Equality Amusement Co., New York City. Brick, steel, concrete, terra cotta, 3 stories, 70x100 feet, slag roof, electric lighting (heating not decided), fire doors, two fire towers, ventilators, metal lath and sash, tile and marble work. Contract awarded to Alex. Chambley, 243 South Tenth street, Philadelphia.

Factory (alt.), Sixteenth and Arch streets, Philadelphia, \$26,000. Architects, Stearns &

Castor, 1007 Stephen Girard Building, Philadelphia. Owners, Stephen Greene Estate, Sixteenth and Arch streets, Philadelphia. Brick, steel and terra cotta, 7 stories, steam heating, dampproofing and waterproofing, kalamein doors, sprinklers, marble work (electric lighting and office partitions reserved). Contract awarded to F. G. Stewart, 1619 Sansom street, Philadelphia.

Residence, No. 16-A, Stenton, Philadelphia. Architect, private plans. Owners, Mauran, Dolan & Co., Franklin Bank Building, Philadelphia. Stone and hollow tile, 2 stories, 38x41 feet, slate roof, hot water heating, electric lighting, oak and pine floors, tile work. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

Factory (alt.), Front and Fairmount avenue, \$2,000. Architect, private plans. Owner, E. Hubshman, Orianna and Willow streets, Philadelphia. Consists of interior alterations, mill work, elevators, shaft, pine and cement floors. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Office Building, Mantua Yard, Thirty-eighth and Pennsgrove streets. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Brick and concrete, 2 stories, 25x55 feet, slag roof, pine, concrete and composition floors, electric lighting, metal lath, ventilators, marble work (cement, paving and metal lockers reserved). Contract awarded to Monaghan & Losse, 3016 Chestnut street, but not yet signed.

Office Building, southeast corner Eighth and Cumberland streets, Philadelphia, \$30,000. Architects, Wm. F. Koelle & Co., Twenty-sixth and Oxford streets. Owners, Breyers Ice Cream Co., Eighth and Cumberland streets, Philadelphia. Brick, 4 stories, 53x73 feet, slag roof, woodoleum, maple and pine floors, metal lath and sash, fire doors, tile and marble work. Contract awarded to Wm. Koelle & Co., Twenty-sixth and Oxford streets.

Machine Shop, Broad and Hunting Park avenue, Philadelphia, \$10,000. Architect, private plans. Owner, John H. Ferguson, 3855 North Nineteenth street, Philadelphia. Brick, 1 story, 37x146 feet, slag roof heating reserved, electric lighting, cement floors. Contract awarded to H. Reusswick, 137 North Tenth street.

Playgrounds (3), Philadelphia. Architect,

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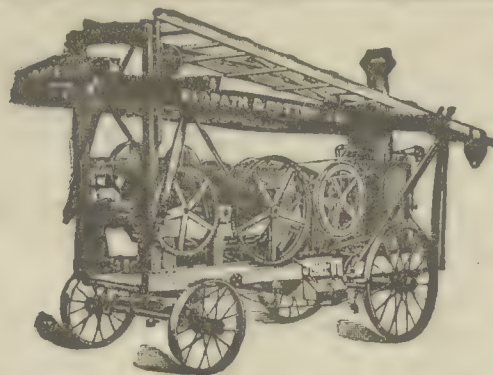


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Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, room 587, City Hall. Consists of swimming pools, shelter buildings, slag ing and electric work separate bids), (2) grading and walks, etc. Contracts awarded to M. & J. B. McHugh, 892 North Markoe street, for Shirley and Francis streets, \$12,900; Wm. Mundy, 228 South Alder street, for C and Indiana avenue, \$14,400; and Sixth and Christian streets, \$6,200.



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Hotel, Wissahickon and Hunting Park avenues, \$30,000. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owner, Geo. W. Brunell, on premises. Stone and brick, 3 stories, slag roof, electric lighting, steam heating, hardwood floors, tile work, cabinet work, metal lath. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Factory, 600-12 North American Building, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Pottach Bros., 504 North American street, Philadelphia. Stone, steel and brick, 2 stories, 47x97 feet, slag roof, steam heating, electric lighting, cement and yellow pine floors, skylights. Contract awarded to Joseph Farstein, 908 Walnut street.

Roof Supports, Washington avenue and Darian streets, Philadelphia. Architects, Ball-

inger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Ice Co., roof, brick and reinforced concrete (plumb-Sixth and Arch streets, Philadelphia. Consists of roof supports, steel and concrete. Contract awarded to Monaghan & Losse, 3016 Chestnut street, but not yet signed.

Smelting Building, Reynolds street wharf, Bridesburg, \$7,500. Architect, private plans. Owners, Riverside Smelting & Refining Co., on premises. Brick, 1 story, 65x100 feet, slag roof, electric lighting. Contract awarded to Jos. Levin Co., 1530 South Sixth street.

Department Store (alts.), Eighth, Ninth and Market streets, Philadelphia, \$60,000. Architects, Wm. Steele & Sons Co., 1600 Arch st., Philadelphia. Owners, Gimbel Bros., on premises. Work will consist of interior changes, including new fireproof dividing walls and partitions. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street, Philadelphia.

PENNSYLVANIA

Construction News

Residence, Chestnut Hill, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Brick, hollow tile and plaster, 2½ stories, 31x76 feet, shingle roof, hot water heating, oak floors, electric lighting, tile work. Plans in progress. Architect will be ready for bids in one month.

School, Biglerville, Pa. Architects, Hauer & Bowers, 3110 Columbia avenue, Philadelphia. Owners, School Board, Biglerville, Pa. Brick, 2 stories. Preliminary sketches in progress. Too early for details.

Authran Building, Glenolden, Pa. Architect, private plans. Owners, H. K. Mulford Co., 428 South Tenth streets, Philadelphia. Hollow tile, steel, concrete and plaster, asphalt or asbestos shingle roof, concrete floors (heating, plumbing, lighting and painting reserved). Owners will be ready for bids in one week.

Factory, Grassland, Pa. Architect, John C. Norton, 340 Lancaster avenue, Bryn Mawr, Pa. Owners, Hall Concrete Products Co., Grassland, Pa. Brick and concrete (slow burning), 3 stories, 300x400 feet, slag roof, steam heat, electric light, metal sash, fire doors, ventilators wood block floors. Plans in progress. Architect will be ready for bids in two weeks.

Detention House (alt. and add.), 300 Crosby street, Chester, Pa. Architect, V. Greenstein, Cambridge Building, Chester, Pa. Owners, Commissioners of Delaware County, Pa. Brick, 3 stories, hot water heating, electric lighting, tin roof. Architect taking bids. Frazier Bros. and Samuel A. Hewes & Co., both of Chester, Pa., are figuring.

Office Building (alt. and add.), 613 Welsh street, Chester, Pa. Architect, Frank V. Greenstein, Cambridge Building, Chester, Pa. Owners, Hewes & Rudolph, 613 Welsh street, Chester, Pa. Brick and terra cotta, 3 stories,

addition, 19x35 feet, slag roof, hot water heating, electric lighting, store fixtures, tile and marble work. Owners ready for sub-bids in two weeks.

Stores (5) and Apartments (2), Third and Franklin streets, Chester, Pa. Architect, Frank V. Greenstein, Cambridge Building, Chester, Pa. Owner, W. Speen, care architect. Brick, 2 and 3 stories, 18x60 feet, slag roof, hot water and hot air heating, electric lighting, pine floors, tile and marble work. Owner taking sub-bids.

High School, Swissville, Pa., \$200,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Board of Education, Swissville, Pa. Brick, steel and stone, 3 stories, 200x250 feet slag roof, steam heating, electric lighting, metal lath, waterproofing, 1000 metal lockers, fire doors, ventilators, skylights, safety treads, tile and marble work, metal window guards, gymnasium and swimming pool, filter plant. Plans in progress. Will be ready for bids about January 1, 1917.

Residence, Front and Kelker streets, Harrisburg, Pa., \$50,000. Architect, C. Howard Lloyd, Telegraph Building, Harrisburg, Pa. Owner, D. E. Tracy, Harrisburg, Pa. Too early for details.

Barn, Harrisburg, Pa., \$25,000. Architect, J. A. Dempwolf, York, Pa. Owners, State Lunatic Asylum, care Dr. Orth, Harrisburg, Pa. Reinforced concrete, 2 stories, 40x110 feet, slate roof, electric lighting. Revised plans in progress.

Animal Building, Glenolden, Pa. Architect, private plans. Owners, H. K. Mulford Co., 428 South Thirteenth street, Philadelphia. Brick, hollow tile, steel and plaster, asphalt or asphalt shingle roof, concrete floors (heating, plumbing, lighting and painting reserved). Owners will be ready for bids in one week.

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Dining Hall and Amdission Building, Doylestown, Pa., \$50,000. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, National Farm School, 1001 Chestnut street, Philadelphia. Stone, 3 stories and basement, 40x100 feet and 40x65 feet, composition roof, steam heat, electric light. Plans in progress.

Residence, Norristown, Pa. Architects, Druckenmiller & Williams, Land Title Building, Philadelphia. Owner, Geo. W. Coles, Norristown, Pa. Stone and frame, 2½ stories, 25x29 feet, shingle roof, hot water heating, electric lighting. Plans completed. Owner will sub-let all contracts.

Residence, Wynnewood, Pa. Architect, Paul M. Hesser, Consulting Architect, Paul A. Davis, 3d., 1713 Sansom street, Philadelphia. Owners, Wm. T. Bryan, 1322 Chestnut street, Philadelphia. Brick, stone and rough cast, 2½ stories, 40x50 feet, shingle roof, hot water heating, electric lighting. Plans in progress. Architect will take bids in two weeks.

Group House (9), Yeadon, Delaware County, Pa. Architects, Jesse T. Hoekstra, 3612 South Eighty-fourth street, Philadelphia. Owner, Theo. Pressor, 1710 Chestnut street, Philadelphia. Brick and plaster, 2½ stories, 20x29 feet, tile or shingle roof (heating reserved), electric lighting, pine floors, tile work. Owner has received bids.

Residence, East Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Christian Hanson, Lansdowne, Pa. Stone, brick and frame, 2½ stories, 25x50 feet, garage, 1 story, stone, 14x20 feet, shingle roofs, hot water heating, tile work, cement work. Owner is ready for sub-bids on all lines.

Manufacturing and storage Building, Red Lion, York County, Pa. Architect, private plans. Owners, Ebert Furniture Co., Red Lion, York County, Pa. Brick (slow burning construction), slag roof, 2 and 3 stories, 400x80 feet and 225x80 feet, maple floors, steam heating, electric lighting, fire doors, ventilators. Owners will be ready for sub-bids in about ten days.

Borough Hall and Fire House, Ambler, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Wissahickon Fire Co., Ambler, Pa. Reinforced concrete, brick, stone and terra cotta, 2½ stories, 32x95 feet, asbestos roof, steam heating, electric lighting, metal lath. Architects taking revised bids, due November 24th. Howard S. Amey, Geo. W. Frankenfield, James Bartolson and C. J. Kemmerer, all of Ambler, Pa.; Henry

P. Schneider, 3713 Old York road; Specht & Sperry, Heed Building, are figuring.

Stoos (4) and Apartments, Station and Lancaster avenues, Ardmore, \$110,000. Architect, John C. Norton, 840 Lancaster avenue, Bryn Mawr, Pa. Owner, Jacob A. Kettering, 206 Simpson avenue, Ardmore, Pa. Brick, 4 stories, 95x65 feet, Loeb's National roofing, vacuum heating, electric lighting, metal lath, oak and composition floors, tile work. Architect taking sub-bids.

Residences (43), Merion, Pa. Architect, John C. Norton, 840 Lancaster avenue, Bryn Mawr, Pa. Owner, name withheld. Brick, 2 stories, 15x43 feet, slag roof, hot water heating, pine floors, electric lighting, tile work. Architect ready for bids in one week.

Residences (40), Ardmore, Pa. Architect, John C. Norton, 840 Lancaster avenue, Bryn Mawr, Pa. Owner, name withheld. Brick, 2 stories, 15x43 feet, slag roof, hot water heating, pine floors, electric lighting, tile work. Architect will be ready for bids in one week.

Residences (2), Ardmore Park, Pa. Architect, John C. Norton, 840 Lancaster avenue, Bryn Mawr, Pa. Owner, I. M. Krieger, care architect. Stone and plaster, 1 story, 40x42 feet, asphalt shingle roof, oak floors, electric lighting, tile work. Architect will be ready for bids in one week.

Green House and Workroom, Rydal, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Pa. Owner, Chas. E. McInnes, Woodland road, Rydal, Pa. Stone and frame, green house, 1 story, 18x50 feet; workroom, 1½ stories, 18x20 feet, shingle roof, cement and pine floors (plumbing and heating reserved). Architects have received bids.

Post Office, Media, Pa. Architect, Jas. A. Wetmore, Treasury Dept., Washington, D. C. Owners, U. S. Govt., Treasury Dept., Washington, D. C. Brick, stone and hollow tile, 2 stories, 76x63 feet, composition roof, pine, cement and marble floors (heating and lighting reserved), metal lath, water and dampproofing, etc. Lowest bid submitted by The Unkerser Co., Minerva, Ohio, limestone, \$58,400; sandstone, \$59,800.

Ice Storage Building, Chester, Pa. Engineer, Van R. H. Greene, 50 Church street, New York City. Owners, Consumers Ice & Coal Co., Chester, Pa. Brick and hollow tile, 1 story, 62x114 feet, composition roof, cement floors, ventilators. Engineer has received bids.

Steel Works, Titusville, Pa. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Cyclope Steel Co., Titusville, Pa. Brick, steel and corrugated iron, 1

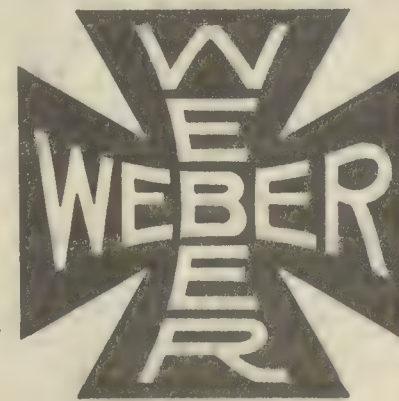
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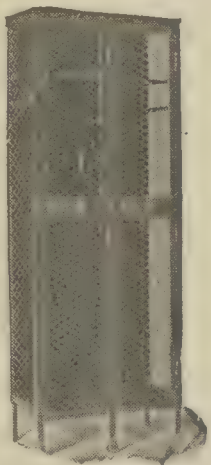
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story, puddle mill, 96x79 feet; furnace, 144x90 feet; machine shop, 42x65 feet. Architects ready for sub-bids on all lines.

Dormitory, Swarthmore, Pa. Architects, Karcher & Smith, 34 South Seventeenth st., Philadelphia. Owners, Swarthmore College, Swarthmore, Pa. Stone, 2½ stories, slate roof, electric lighting, steam heating. Plans in progress. Will take bids in about three weeks.

Residence, Hanover, Pa., \$50,000. Architect, John A. Dempwolf, Centre Square, York, Pa. Owner, C. E. Moul, care architect. Brick and stone, 2½ stories, 35x50 feet, slate roof. Too early for details.

Residence, York, Pa., \$30,000. Architect, John A. Dempwolf, Centre Square, York, Pa. Owner, R. W. Emerton, care architect. Stone, 2½ stories, 30x50 feet. Too early for details.

Warehouse, Spring Grove, Pa., \$40,000. Architect, John A. Dempwolf, Centre Square, York, Pa. Owner, P. H. Glatfelter, care architect. Brick. Too early for details.

Residence (alt.), Lewistown, Pa. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, Walter Thompson, Lewistown, Pa. Three baths, water heaters, vapor heating, electric lighting, hardwood and tile floors. Plans in progress. Ready for bids.

Store and Apartments, Lewistown, Pa., \$20,000. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, E. E. McWeen, Lewistown, Pa. Brick and steel and terra cotta, 3 stories, 31x105 feet, slag roof, steam heat, electric light, skylights, store fixtures, tile and marble work, metal window guards, store fixtures. Plans in progress.

School, Newberry and Kurtz streets, York, Pa., \$40,000. Architects, Leber & Strair Association, York, Pa. Owners, Board of Education, M. O. Lewis, York, Pa. Brick and terra cotta, 2½ stories, 66x91 feet, slag roof, steam heating and hot air heating, electric light, hollow tile, metal sash, fire doors, tile and marble work, metal window guards. Plans in progress.

Temporary Sunday School, Mt. Carmel, Pa., \$5,000. Architect, John A. Dempwolf, Centre Square, York, Pa. Owners, Grace Evangelical Lutheran Church, Mt. Carmel, Pa. Frame, 1½ stories, 50x61 feet, slate roof, electric lighting. Plans in progress.

Bank, York, Pa., \$100,000. Architects, Gommill & Billmeyer, York, Pa. Owners, First

National Bank, W. A. Keyworth, President, York, Pa. Marble, brick, steel and terra cotta, hollow tile and concrete, 2 stories, 35x95 feet, reinforced concrete, cork and marble floors, steam heating, electric lighting, metal sash, dampproofing, fire doors, ventilators, tile and marble work, metal window guards, metal lockers, cabinet work. Plans in progress.

School and Auditorium Building, Fort Washington, Pa., \$40,000. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, Upped Dublin School District, Jarrettown, Pa. Stone, 2 stories, 60x90 feet and 1 story, 65x90 feet, slate and slag roofs, San Furnace system of heating, electric lighting, yellow pine floors. Plans in progress. Architects will take bids about January 1, 1917.

Buildings (5), Chester, Pa. Architect, W. O. Eekles, New Castle, Pa. Owners, Sun Ship Building Co., Finance Building, Philadelphia. Brick, concrete, hollow tile, stone trimmings; office building, 2 stories, 100x120 feet; superintendent's office building, 1 story, 111x93 feet; locker and shower building, 1 story, 111x113 feet, and two toilet buildings, 1 story, 32x35 feet, steam heating, electric lighting, metal sash and lath, dampproofing, ventilators, cement and terrazzo floors, composition floors, composition roof, metal lockers. Owners have received bids.

Law School Building, Carlisle, Pa. Architect, R. R. Markley, Patriot Building, Harrisburg, Pa. Owners, Board of Directors of Dickinson School, Carlisle, Pa. Brick, stone trimmings, 2 stories, 63x133 feet, slate roof, electric lighting, metal lath, ventilators, tile work, oak and cement floors hollow tile (heating, plumbing and ventilating reserved). Architect taking bids, due November 25th. James H. Wells, Heed Building, is figuring.

Masonic Home (3 Buildings), Elizabethtown, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Masonic Order, Pittsburgh Pa. Stone and hollow tile, 3½ stories, 96x38 feet, 38x72 feet and 38x72 feet, slate roofs, steam heating, electric lighting, cabinet work, tile and marble work. Plans in progress. Ready for bids in about one week.

Laundry, North Lime street, Lancaster, Pa., \$18,000. Architect, Malvern R. Evans, 10 East Orange street, Lancaster, Pa. Owners, Lancaster General Hospital, Lancaster, Pa. Brick,

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1 story, 44x97 feet, slate roof, steam heating, electric lighting metal lath. Architect taking bids, due November 28th. Stumpf & Son, W. H. Flick, 615 East Chestnut street; Samuel Bahloy, Herman Wholsen, Woolworth Building; Joseph Zook, 555 North Duke street, all of Lancaster, Pa., are figuring.

Garage, Duke and Vine streets, Lancaster, Pa., \$30,000. Architect, Malvern R. Evans, 10 East Orange street Lancaster, Pa. Owners, Duke and Vine Streets Garage Co., Inc., J. J. Miller, president. Reinforced concrete, brick, 3 stories, 80x90 feet, reinforced concrete and slag roof, steam heating, electric lighting, metal lath and sash, waterproofing, reinforced concrete floors, elevators, fire doors, ventilat-

ors, skylights, safety treads, gasoline storage. Architect taking bids, due November 28th. L. V. Wright, 144 East Vine street; Stumpf & Son and W. H. Flick, 615 East Chestnut st., all of Lancaster, Pa., are figuring.

Garage and Office Building, Lancaster, Pa., \$30,000. Architect, Malvern R. Evans, 10 East Orange street, Lancaster, Pa. Owners, Herr & Co., Lancaster, Pa. Reinforced concrete and brick, 5 stories, 90x160 feet, reinforced concrete and slag roof, steam heating, electric lighting, reinforced concrete floors, hollow tile, elevators, metal sash, waterproofing, fire doors, ventilators, sprinklers, safety treads tile and marble work store fixtures, gasoline storage system. Plans in, progress.

PENNSYLVANIA

Contracts Awarded

Hotel, Coatesville, Pa., \$100,000. Architect, W. Leslie Walker, 103 Park avenue, New York City. Owners, Worth Bros. Co., Coatesville, Pa. Brick, concrete and hollow tile, 4 stories, 216x32 feet, maple, pine and cement floors, metal lath, waterproofing and damp-proofing, fire doors, tile and marble work, cabinet work, terrazzo work, mechanical equipment. Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

Residence, Haverford, Pa. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owner, Miss Evelyn S. Runk, Haverford, Pa. Stone and plaster, 2½ stories, 34x34 feet, slag and shingle roof, pine, oak and cement floors, electric lighting, tile work. Contract awarded to Graham-Campion Co., Heed Building, Philadelphia.

Operation Station (alt. and add.), Newtown Square, Pa. Architect, private plans. Owners, American Telephone & Telegraph Co., New York City. Brick, 1 story addition, 39x25 feet, slag and asphalt shingle roof, steam heating, electric lighting, pine floors, metal lath, waterproofing. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

Stock House and Pack House, Stockertown, Pa. Engineer, Richard H. Meade, Baltimore, Md. Owners, Hercules Cement Co., Finance Building, Philadelphia. Steel and concrete, 8 bins 25 feet diameter and 50 feet high, and concrete platform, 90x58 feet, composition roof, cement floors. Contract awarded to Deverell, Spencer & Co., Baltimore, Md.

Finance Building, York, Pa., \$8,500. Architect, J. A. Dempwolf, Centre Square, York, Pa. Owners, New York Wire Cloth Co., F. R. Alwood, manager, York, Pa. Brick, 1 story, 28x62 feet, reinforced concrete and slag roof, reinforced concrete floors, electric lighting. Contract awarded to S. F. Glatfelter, P. A. & S. Small Building, York, Pa.

Residence, York, Pa. Architect, Robert A. Stair, Jr., 100 East Market street, York, Pa. Owner, Harry P. Noos, 522 W. Knight street, York, Pa. Brick and cut stone, 2½ stories, 31x42 feet and 16x18 feet, shingle roof, steam heating, electric lighting, hardwood and tile floors, tile and marble work. Contract awarded to Hess Bros., 738 W. Princess street, York, Pa.

Garage, Seventeenth and Mulberry streets, Harrisburg, Pa., \$6,000. Architect, F. G. Fahnestock, Jr., Patriot Building, Harrisburg, Pa. Owner, Thos. C. Black, Old Orchard, Harrisburg, Pa. Brick, 1 story, 90x120 feet, slag roof, steam heating, cement floors, electric lighting. Contract awarded to E. N. Lebe, Harrisburg, Pa.

Foot Bridge, Tulpehocken street, Reading, Pa. Architect, private plans. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Timber, concrete foundations, 79 feet long. Contract awarded to George A. Koch, Reading, Pa.

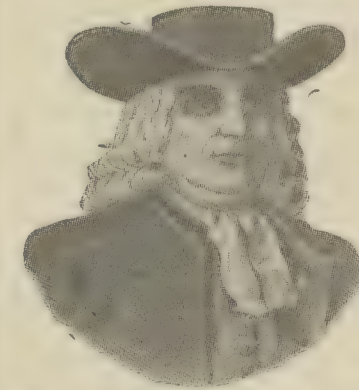
Residence (alt.) and Stone Wall, Ridley Park, Pa., \$5,000. Architect, private plans. Owner, E. K. Nelson, Ridley Park, Pa. Consists of interior alterations, electric lighting, plumbing, plastering, tile work. Contract awarded to E. R. Hall & Bro., 34 South Seventeenth street, Philadelphia.

Virus Building, Ridgway, Delaware County, Pa., \$2,000. Architect, private plans. Owners, H. K. Mulford Co., 428 Soeth Thirteenth street, Philadelphia. Stone, hollow tile, plaster, 1 story, 17x33 feet, asphalt shingle roof, reinforced concrete floors, metal lath, damp-proofing (plumbing, heating, electric work and painting reserved). Contract awarded to Thomas M. Seeds, Jr., 1207 Race street, Philadelphia, but not yet signed.

Farm Building, Villanova, Pa. Engineer, J. A. P. Crisfield, Broad and Arch streets,

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Philadelphia. Owner, Samuel T. Bodine, N. W. corner Broad and Arch streets, Philadelphia. Brick, stone and frame, 1 and 2 stories, 22x136 feet, shingle roof, electric lighting, metal lath, concrete floors. Contract awarded to Gray Bros., Rosemont, Pa.

Church, Eden, Pa., \$12,000. Architect, M. R. Evans, Lancaster, Pa. Owners, Reformed Church, Eden, Pa. Brick, 1½ stories, 90x40 feet, 2 wings, slate roof, steam heating, electric lighting, maple floors. Contract awarded to A. C. Sheetz, Petersburg, Pa.

New Jersey Construction News

Apartments, 18 S. Sovereign avenue, Atlantic City, \$3,000. Architect, Frank Berry, Guarantee Trust Building, Atlantic City. Owner, Wm. J. Hoy, 18 S. Sovereign avenue, Atlantic City. Brick, 3 stories, 25x68 feet, slag roof, hot water heating, tile boors, electric lighting, fire doors, dumbwaiters. Plans in progress. Architect taking sub-bids.

Yacht Club (add.), Inlet, Atlantic City, N. J., \$8,000. Architects, Stout & Riebonack, Guarantee Trust Building, Atlantic City. Owners, Atlantic City Yacht Club, on premises. Frame, 3 stories, 12x19 feet, slate roof, steam heating, electric lighting, metal lath, tile and marble work. Plans in progress. Will take bids in one week.

Apartment (alt. and add.), 9 S. Arkansas avenue, Atlantic City, \$5,000. Architect, Frank Berry, Guarantee Trust Building. Owner, Mrs. Robt. J. O'Neil, on premises. Stucco 4 stories, 19x65 feet, slag roof, tile floors, electric lighting, metal lath, new plumbing. Architect taking bids, due November 28th. J. V. Mathias & Son, Guarantee Trust Building; Samuel H. Headly, Guarantee Trust Building; W. I. Porch, Sheen Building; and P. G. Hannon, 16 N. Georgia avenue, all of Atlantic City, are guring.

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Hotel (alt. and add.), 158 S. Tennessee avenue, Atlantic City, \$50,000. Architect, J. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Hotel Fredonia, Wm. Carmony, 158 S. Tennessee avenue. Reinforced concrete, brick and steel, 6 stories, 75 x 100 feet, slag roof, steam heating, electric lighting, metal lath, elevators, dampproofing,

fire doors, cabinet work. Architect taking bids. P. Hannum, 16 N. Georgia avenue; W. I. Poreh, Sheen Building; J. V. Mathis & Son Co., Guarantee Trust Building; C. D. Thompson, Guarantee Trust Building; W. Beaumont, 12 S. Tennessee avenue; H. G. Scull, Sheen Building, and C. S. Corson, Linwood, N. J., are figuring.

Zell, 11-15 East Mt. Royal avenue, Baltimore, Md. Stone, brick, frame and stucco, 2½ stories, 42x95 feet, slate roof, electric lighting, dampproofing, plumbing, tile work. Plans in progress.

Factory Building, 228 North Front street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia, Pa. Owners, L. Gordon & Sons, on premises. Brick, 3 stories, 35x140 feet, slag roof, electric lighting. Plans in progress.

Factory, Westport, Md. Engineers, G. E. Painter Co., 324 North Charles street, Baltimore, Md. Owners, Baltimore Enamel and Novelty Co., Westport, Md. Brick, 2 stories, 260x458 feet, slag roof, skylights, steel rolling door, dumb waiter, plumbing, electric work, 3 elevators (cement work reserved). Plans about completed.

Garage, McCulloh street, Baltimore, Md. Architect, J. E. Moxley, Jr., 1709 Edmondson avenue, Baltimore, Md. Owner, Emmanuel E. Ottenheimer, 327 Law Building, Baltimore, Md. Brick and concrete, 2 stories, 52x120 feet, slag roof, steam heating, electric lighting, freight elevator, concrete work. Plans in progress.

Store Building (alts.), southeast corner of German and Greene streets, Baltimore, Md. Architect, B. Frank, 328 North Charles st., Baltimore, Md. Owners, M. F. Realty Co., Baltimore, Md. Brick, steel, concrete and stucco, 3 stories (electric work, elevator work reserved), steam heating. Architect has received bids.

Sun Parlor, Calvert and German streets, Baltimore, Md. Architect, Treo. W. Pietsch, American Building, Baltimore, Md. Owners, U. S. Fidelity and Guaranty Co., on premises. Brick, 22x70 feet, tin roof, skylights, electric lighting, tile work, terrazzo work, painting and plumbing. Architect taking bids, due November 24th. The following are figuring: Fred Decker & Son, 1209 East Biddle street; Morrow Bros., Fidelity Building; Consolidated Eng. Co., Calvert Building; B. F. Bennett Building Co., 123 South Howard street, and John Busick, 2811 Rayner avenue, all of Baltimore, Md., are figuring.

Theatre, Light and Pultney streets, Baltimore, Md. Architect, Oliver B. Wight, Munsey Building, Baltimore, Md. Owners, McHenry Amusement Co., Henry W. Webb, Fidelity Building, Baltimore. Brick and concrete, slag roof (heating, plumbing and electric work reserved), marble and mosaic and slate work, fire doors, fire escapes, dampproofing, ventilators. Architect taking bids, due December 1st. The following are figuring: Morrow Bros., Fidelity Building; John Hiltz & Son, 3 Clay street; J. H. Miller, Inc., Eutaw and Franklin streets; T. B. Stanfield & Co., 212 Clay street; C. L. Stockhausen & Co., Gay and water streets; Henry Pierson & Son, 1000 Olive street; Clarence E. Stubbs, 548 Equitable Building; B. F. Bennett Building Co., 123 South Howard street; Cogswell-Koether Co., 406 Park avenue; John Waters Building Co., 23 East Centre street; Consolidated Eng. Co., Calvert Building; H. D. Watts Co., Garrett Building, all of Baltimore, Md.

Maryland

Contracts Awarded

Residence, Frederick, Md., \$15,000. Architect, Edward Leber, York, Pa. Owner, Hon. Jacob Rohrbach, Frederick, Md. Brick and hollow tile, 2 stories, 2 wings 50x60 feet, slate or tile roof, electric lighting, hardwood and

NEW JERSEY

Contracts Awarded

Apartments (3), Atlantic City, N. J., \$110,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Philip Marcel, Atlantic City, N. J. Brick and steel, 3 stories, 45x100 feet, slag roof, hot water heating, hardwood and tile floors, electric lighting, dampproofing, fire doors, ventilators. Contract awarded to P. Hannum, 16 N. Georgia avenue, Atlantic City, N. J.

Hotel, Arkansas and Atlantic avenues, Atlantic City, N. J., \$10,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Frank Reffu, on premises. Brick and stucco, 3 stories, 40x30 feet, slag roof, hot water heating, tile floors, electric lighting, metal lath, dampproofing, terrazzo work, tile and marble work. Contract awarded to Abacus Const. Co., 304 North Indiana avenue, Atlantic City, N. J.

Residences (6), Bryant avenue, (3) Newport avenue, Atlantic City. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, Lewis T. Bryant, 136 North Carolina avenue, Atlantic City. Hollow tile and stucco, 2 stories, 24x22 feet, asphalt roof and shingle roof, tile and hardwood floors, hot water heating, combination lighting, dampproofing. Contract awarded to J. V. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J.

Residences (4), Buffalo and Ventnor aves., Ventnor, N. J., \$16,000. Architect, Seward G. Dobbins, 10 S. Tennessee avenue, Atlantic City, N. J. Owner, W. I. Hart, Risleys Hotel, Atlantic City, N. J. Frame, 2 stories, 24x36 feet, slate roof, hot water heating, tile floors, combination lighting. Contract awarded to J.

V. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J.

Residence, S. Suffolk avenue, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, Harold Faunce, Guarantee Trust Building, Atlantic City, N. J. Hollow tile and stucco, 2½ stories, 26x55 feet, slate roof, hot water heating, combination lighting, hardwood and tile floors, weatherstrip, dampproofing, tile and marble work. Contract awarded to J. V. Mathis & Son, Guarantee Trust Building, Atlantic City, U. J.

Residence, Vineland, N. J., \$20,000. Architect, John L. Coney's, 129 S. Fifth street, Philadelphia. Owner, Evan E. Kimble, Vineland, N. J. Brick and hollow tile, 2½ stories, 36x54 feet, tile roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Jos. S. Rowen, Moorestown, N. J.

Retrestile Bridge, over D. & R. Canal, near Trenton, N. J. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Stone, steel, concrete and wood piling. Contract awarded to Eugene F. Verga & Co., Temple Building, Camden, N. J.

Kiln Building (11-A), Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, steel and concrete, 80x670 feet, Keystone fireproofing patented roofing, steel sash, cement floors, electric lighting. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

MARYLAND

Construction News

College Buildings, College Park, Md., \$170,000. Architects, Flournoy & Flournoy, 1517 H street, Washington, D. C. Owners, Maryland Agricultural College, College Park, Md. Consists of main building, 3 stories and basement, 57x200 feet; auditorium annex, 1 story, 55x66 feet; dairy and wheat products laboratory, 1 story, 55x190 feet, brick, slate roofs, steam heating, steel work, metal lath and sash. Plans in progress.

Post Office, Frederick, Md. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Details later. Owners taking bids, due December 26th at 3 P. M.

Residence (alt. and add.), Melvale, Md. Architects, Mottu & White, 322 North Charles street, Baltimore, Md. Owner, Edw. McC. Fisher, 926 Cathedral street, Baltimore, Md. Frame and stucco, 2½ stories, slate or shingle

roof, hot water heating, electric lighting. Plans in progress.

Church and Sunday School, West Biddle street, Baltimore, Md., \$20,000. Architect, J. E. Laferty, 11 East Pleasant street, Baltimore, Md. Owners, Independent African M. E. congregation, Rev. L. C. Curtis, 1323 Argyle avenue, Baltimore, Md. Stone, 1 story, 45x90 feet. Plans in progress. Too early for details.

Residence, Stratford road, near Northway, Baltimore, Md. Architects, Mottu & White, 322 North Charles street, Baltimore, Md. Owner, Dr. L. J. Goldbach, 322 North Charles street, Baltimore, Md. Brick, 2½ stories, 32x75 feet, slate roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed.

Residence, Green Spring Valley, Md. Architect, Theo. Wells Pietsch, 1210 American Building, Baltimore, Md. Owner, A. Stanley

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tile work (heating reserved). Contract awarded to Lloyd Culler, Frederick, Md.

Apartment House, Brookfield avenue and Lake Drive, Baltimore, Md. Architect, Stanislaus Russell, 2900 Clifton avenue, Baltimore, Md. Owners, Druid Realty Co., Joseph Ber- man, 231 Courtland street, Baltimore, Md. Brick, 3 stories, slag roof, steam heating, electric lighting. Owner is taking sub-bids on all lines.

Building (add.), Montford avenue and Chase street, Baltimore, Md. Architects, Mortensen & Co., 405 Lexington avenue, New York City. Owners, American Ice Co., 309 Calvert Building, Baltimore, Md. Brick, 1 story, 28x130 feet, slag roof, skylights, concrete work, dampproofing, terra cotta, metal sash. Contract awarded to Henry S. Rippel, 7 Clay street, Baltimore, Md.

Building, foot of Clinton street, Baltimore,

Md. Architect, private plans. Owners, Baugh Chemical Co., 240 South Clinton street, Baltimore, Md. Terra cotta and reinforced concrete, 2 stories, 50x67 feet, asbestos roof, steel sash, cement floors. Contract awarded to C. L. Stockhausen Co., Gay and Water streets, Baltimore.

Residences, North Streeper street, Baltimore, Md., \$18,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore, Md. Owners, Frank Novak, Baltimore, Md. Brick, 2 stories, 13x65 feet, slag roof. Owner taking sub-bids on all lines.

Warehouse, Frederick, Md., \$30,000. Architect, private plans. Owners, Rennous, Kleinle & Co., 3221 Frederick avenue, Baltimore, Md. Brick and concrete, slag roof, 4 stories. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore, Md.

Brick, 1 story, 18x33 feet, slag roof.

Storage, Keystone and Collman streets, \$2,500. L. W. Gilmer Co. (O), on premises. Nickson & Duggan Const. Co. Corp. (C), Bailey Building. Brick, 1 story, 30x72 feet.

Dwellings, (4), 1217-19-13-15 Wakeling st., \$12,600. C. West & Co. (O and C), Oxford and Wakeling streets. Brick, 3 stories, 16x20 feet, slate roof, hot air heating.

Dwellings (24), 5412-58 North Eleventh st., \$72,000. Chas. Eckman (O and C), 2126 North Sixteenth street. Brick, 2 stories, 15x29 feet, slag roof, hot water heating.

Dwellings (4), east side Forty-sixth street, north of Larch, \$30,000. Clarence Siegel (O and C), Forty-sixth and Larchwood streets. Brick, 3 stories, 16x50 feet, slate roof, hot water heating.

Dwelling, Williams avenue, north of Upsal street, \$2,750. Geo. Bachman (O), Forrest avenue. W. G. Krewson (C), Philadelphia, Pa. Brick, 2 stories, 17x40 feet, slag roof, hot water heating.

Garage, Tioga and H streets, \$10,000. M. J. Walsh (O and C), 6733 Emlen street. Brick, 1 story, 77x200 feet, slag roof.

Garage, Allen lane and Wissahickon avenue, \$325. A. Hirth (O), on premises. M. Master & Co. (C), 3921 North Fifth street. Iron, 1 story, 12x27 feet.

Garage, 505 West Springer street. James Mitchell (O and C), Forty-sixth and Market streets. Stone, 1 story, 19x21 feet, tile roof.

Dwellings (30), east side of Twenty-sixth, north of Morris street, \$68,000. Finkelman (O), 2414 South American street. L. Ostrum (C), 323 Reed street. Brick, 2 stories, 14x30 feet, slag roof, hot air heating.

Garage, 1427 Bouvier street, \$6,000. Jas. Cochrane (O), 1036 Oline street. Conneen Const. Co. (C), 1829 Filbert street. Brick, 1 story, 45x80 feet, truss roof.

School, Madison and Belgrade streets, \$30,000. Archbishop of Philadelphia (O), Eighteenth and Race streets. Melrose & Keating (C), 1322 Race street. Brick, 4 stories, 122x122 feet, slag roof.

Storage, 610-12 North American street, \$4,500. Pottash Bros. (O), 504 North American street. Joseph Forlestern (C), 908 Walnut street. Brick, 2 stories, 40x97 feet.

Store, 1311-13 Arch street, \$16,600. Benj. Alexander (O), Hale Building. D. Henwood (C), 1509 Wood street, Philadelphia. Brick, 2 stories, 41x41 feet, slag roof, steam heat.

Dwellings (8), west side of Richmond st., south of Schiller street, \$36,000. Henry Lazar (O), 7717 Brewster avenue. P. Yaskan (C), 7717 Brewster avenue. Brick, 2 stories, slag roof, 14x27 feet, hot water heating.

Dwellings (24), 6047-6001-6003-45 Columbia avenue, \$80,900. Daniel Hogan (O and C), 5249 Walnut street. Brick, 2 stories, 16x48 feet, slag roof, hot water heating.

Office and warehouse, Eighth and Cumberland streets, \$20,000. Breyers Ice Cream Co. (O), Ninth and Cumberland streets. Wil-

Miscellaneous Construction News

Garage, rear 504 Delaware avenue, Wilmington, Del., \$2,500. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Dr. A. E. Frantz, on premises. Brick and stone, 1 story, 32x22 feet, slag roof, electric lighting, concrete floors, gasoline storage. Plans in progress.

Residence, Eltingville Shore, Staten Island, N. Y. Architect, J. Fletcher Street, 129 S. Fifth street, Philadelphia. Owner, Captain C. A. Furlong, Eltingville, Staten Island, N. Y. Frame and plaster, 2½ stories, 30x50 feet, composition shingle roof, warm air heating, electric lighting, tile work. Joseph Muller, Thompkinsville, N. Y., is figuring (only bidder).

Office Building (alt. to Mezzanine Gallery), Sixth and Shipley street, Wilmington, Del. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Diamond State Telephone Co., care of Nathan Bayward, engineer, 1631 Arch street, Philadelphia. Consists of iron floor and stairway. Owners taking bids, due November 27th. H. H. Burrell,

206 South Quince street; F. L. Hoover & Sons, 1023 Cherry street; H. E. Baton, Twelfth and Sansom streets, Philadelphia, are figuring.

Post Office and Court House, Birmingham, Ala. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Marble, brick, stone and hollow tile, 1 and 3 stories, 359x165 feet, composition roof, cement, composition, marble and cork tile floors, metal lath, waterproofing and dampproofing, ventilators, tile and marble work, safety treads, cabinet work, terrazzo work (elevators reserved). Lowest bid submitted by Charles McCaul Co., 1713 Sansom street, Philadelphia, \$339,000.

Restaurant (alt. and add.), 817 Market st., Wilmington, Del. Architect, Ed. L. Rice, Jr., 215 Market street, Wilmington, Del. Owners, Geo. Pepper & Co., 817 Market street, Wilmington, Del. Brick, 1 story, tile floors, electric lighting, tile and marble work. Contract awarded to W. D. Haddock & Co., 1014 Rodney street, Wilmington, who is taking sub-bids on all lines.

Permits for New Buildings

O is the abbreviation for owner. **C** is for contractor.

Philadelphia

Dwellings (2), corner Fifty-seventh and Springfield avenue, \$5,600. James Enburg (O and C), 5200 Wynnefield avenue. Brick, 2 stories, 16x49 feet, slag roof, hot water heat.

Dwellings (24), east side Sixty-fifth and Greenway avenue, \$53,000. Chas. Dillon (O and C), 1300 Ritner street. Brick, 2 stories, 15x30 feet, slag roof, hot water heating.

Dwellings (8), Wingohocking, between Eleventh and Marvine streets, \$32,000. Joshua Holmes (O and C), 4542 North Eleventh st. Brick, 2 stories, slag roof, hot water heating, 16x56 feet.

Garage, 2314 East Susquehanna avenue, \$1,000. Frank Schaefer (O), on premises. Jos. McNutt (C), 1929 East Allegheny avenue.

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liam F. Kaelle & Co. (C), Twenty-sixth and Oxford street. Brick, 4 stories, 47x47 feet, slag roof.

Store and machine shop, Broad and Huntingdon Park avenue, \$8,000. J. H. Ferguson (O), 3855 North Nineteenth street. Harry Reussick (C), 137 North Tenth street. Brick, 1 story, 146x112 feet, slag roof.

Garage, Margaret and Janney streets, \$500. Blumenthal Bros. (O), on premises. M. Mister & Co. (C), 3931 North Fifth street. Iron, 18x28 feet, 1 story.

Garage, Upsal street, west of Wissahickon avenue, \$1,100. W. Sterrett (O), on premises. Chas. Johnson (C), 5701 Boyer street. Stone, 1 story, 21x21 feet, shingle roof.

Garage, Lehigh and Miller streets, \$300. John Tigle (O), 2616 East Lehigh avenue. Jos. Wolf (C), 2306 East Lehigh avenue. Brick, 1 story, 15x15 feet, slag roof.

Dwelling, north side of Connarse street. Horace Rowland (O), 4302 Manayunk avenue. Wm. E. Keller (C), 480 Hasman Building. Brick, 2 stories, 14x36 feet, tin roof, hot air heating.

Boiler room, Fifty-second and City avenue, \$900. Percy Legge (O), Fifty-second and City avenue. N. W. Bennum (C), 3932 Aspen street. Brick, 1 story, tin roof, 9x15 feet.

Garage, 3029 Midvale avenue, \$1,450. Mr. Fred Fowler (O), 3029 Midvale avenue. Elmer Cuthbertson (O), 334 Roxbury avenue. Stone, 1 story, 20x19 feet, slate roof.

Dwelling, southeast corner Water street and Park Line drive street, \$18,000. Seeds & Durham (O and C), 6820 Morris street. Brick, 3 stories, 36x72 feet, slate roof, vapor heating.

Dwellings (20), Third street, south of Shunk street, \$40,000. A. Besman (O and C), 2602 South Third street. Brick, 2 stories, 14x29 feet, slag roof, hot water heating.

Dwellings (11), Ruscomb street, west of Fourth street, \$27,500. Morris Bluden (D and C), 5048 North Fifth street. Brick, 2 stories, 16x26 feet, slag roof, hot water heating.

Garage, 700 East Clearfield street, \$300. J. M. Evans (O and C), 700 East Clearfield street. Brick, 1 story, 15x16 feet, slag roof.

Boiler house, Sixty-third and Eastwick avenue, \$7,500. Endura Mfg. Co. (O), on premises. Hughes Foulkrod Co. (C), 1409 Commonwealth Building. Brick, 1 story, 45x46 feet, wood roof.

Garage, Fifty-third and Woodbine avenue, \$2,500. Wm. F. Hudson (O), Sixteenth and Glenwood avenue. John V. Speth & Co. (C), 1714 Sansom street. Brick, 1 story, 22x32 feet.

Garage, Spencer street, west of York road, \$8,860. Matthew Donnelly (O), on premises. John Dagney (C), York road and Sixty-four avenue, Oak Lane. Brick, 1 story, 60x115 feet, slag roof.

Dwelling, Seventy-ninth and Bartram avenue, \$2,300. Calalka Managna (O), Seventy-ninth and Bartram avenue. George Roe (O), 6949 Saybrook avenue. Brick, 2 stories, 16x40 feet, slag roof, hot air heating.

Dwelling, northwest corner Green lane and Mitchell street, \$9,000. Jacob Edelstein (O), 333 Heed Building. William Keller (C), 480 Harmon road. Brick, 2 stories, slag roof, hot water heating. 23x60 feet.

Dwellings (17), east side of Mervine street, north of Wagner avenue, \$55,400. J. Winkur (O and C), 8008 Gibson avenue. Brick, 2 stories, 16x31 feet, slag roof, hot water heating.

Manufacturing building, Twenty-sixth and Reed streets, \$850,000. S. B. & B. W. Fleisher Inc. (O), Eighth and Chestnut streets. Wm. Steele Sons Co. (C), 1600 Arch street. Brick, 6 stories, 200x200 feet, slag roof.

Stable, 2234-36 North Twenty-eighth street, \$2,700. Benjamin Leaker (O and C), 831 Cherry street. Brick, 1 story, 54x90 feet.

Store and dwelling, 519 South Fifth street, \$700. Gooble Estate (O), 1710 Chestnut st. William Johnston (C), 1625 South Nineteenth street. Alterations and repairs.

Dwellings (6), Oakland street, south of Foulkrod street, \$22,500. Wm. Frances Sons (O and C), 4437 Frankford avenue. Brick, 2 stories, slag roof, hot water heating, 16x45 feet.

Alterations and Additions

Bakery, Fifty-three and Pine streets, \$575. Mrs. Klein (O), Fifty-third and Pine streets. Fred Sabin Co., Inc. (C), 237-39-41 Broad st. Hot water heating system.

Stack, 315 South Broad street, \$700. City Club of Philadelphia (O), 315 South Broad street. Philadelphia Boiler Works (C), 1737 Filbert street. Stack.

Kitchen, Williams avenue and Limekiln pike, \$600. Ernest Eastward (O), Williams avenue and Limekiln pike. Brick, 2 stories, side addition, 14x16 feet.

Dwelling, 757 Corinthian avenue, \$550. Wm. Richards (O), 803 Corinthian avenue. Davis & Clayton (C), Philadelphia, Pa. Brick, 1 story near addition, 13x12 feet, slag roof.

Dwelling, 172-174 North Olney avenue, \$7,500. John Gaites (O), on premises. Arthur Turner (C), 6328 North Camac street. Brick, 1 story addition, 14x16 feet, slag roof.

Brewing house, Clarion and Fitzwater sts. Consumers' Brewing Co. (O), on premises. E. E. Hollenbach, Inc. (C), Fifteenth and Race streets, General alterations.

Store, 2522 Germantown avenue, \$1,000. Miss Lucy Bunette (O), 2522 Germantown avenue. Julius Routh & Son (C), 304 Master street. Repairs.

Store and dwelling, Third and Albanus sts., \$620. Rudolph Swersfus (O), on premises. Julius A. Raith (C), 304 Master street. Alterations.

Store and dwelling, 743 East Allegheny ave., \$750. Fred Weideman (O), 2613 Kensington avenue. Arthur S. Brown (C), 1903 East Clearfield avenue. Flush bulks.

Wagon shed, 4318 North Third street, \$1,200. C. Krause (O and C), 4316 North Third street. Brick, 1 story addition, 20x48 feet, slag roof.

Laundry, Stella avenue, west of Emerald street. James Orr (O and C), 3522 Kensington avenue. Brick, 1 story addition, 19x16 feet, slag roof.

Saloon, Third and Indiana avenue, \$625. Adam Scheidt Brewing Co. (O), Norristown, Pa. Henry G. Evans (C), 1504 Marvine st. Brick, 1 story addition, 17x9 feet, granite roof.

Store and dwelling, Poplar, west of Fourth street, \$500. I. Friedman (O), 1120 Girard avenue. K. Joffa (C), 960 North Seventh st. New flush bulks.

Dwellings (2), 327-29 Fitzwater street, \$1,300. Harris Brady (O), 1322 North Fourth street. L. M. Sheslack (C), 322 Dickinson st. Flush bulks, repairs.

Light manufacturing building, 125-27 South Fourth street, \$325. John Gibson Estate (O), 125 South Eleventh street. E. M. Grybb (C), 6298 North Broad street. Repair floors.

Machine shop, Fifty-sixth and Paschall avenue, \$1,000. Philadelphia Screen Mfg. Co. (O), Fifty-sixth and Paschall avenue. Herman Voight (C), 1250 North Twenty-eighth street. Brick, 1 story addition, 18x24 feet, slag roof.

Engine room, Fifty-seventh and Hoffman

streets. Eagle Ice and Coal Co. (O), Fifty-seventh and Hoffman streets. Fred C. Bosel, Jr. (C), 5426 Summer street. Brick, 1 story addition, 25x13 feet, slag roof.

Dwelling, 302 Latona street, \$300. Jos. De Esertsfaw (O and C), 1135 South Seventh st. Brick, 2 stories addition, 10x11 feet, slag roof.

Dyeing room, Church and Tacony streets, \$1,000. F. P. Wall (O), Church and Tacony streets. Buzby & Proper (C), 1658 Unity st., Fkd. Brick, 2 stories addition, 18x25 feet, slag roof.

Office, Hamilton, west of Fifteenth street. McIlvaine Bros. (O), Fifteenth and Hamilton streets. John Duncan (C), 920 Walnut street. General repairs.

Bank, 910 Christian street, \$300. M. De Vincent (O), 816 Christian street. Manfreda Pi Pasifelo (C), 750 South Eleventh street. Alterations.

Office and warehouse, 3038-40 Market street, \$10,000. Quarker City Flour Mills Co. (O), 3042 Market street. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Interior alterations, elevator shaft.

Factory, 1051 Frankford avenue, \$1,000. Jacob Bloam Co. (O), 1051 Frankford avenue. Clayton Lofland (C), Water and Race streets. Elevator hatchway.

Dwellings (2), 449-51 North Dearborn st., \$630. Thos. Coulson (O), 634 Brooklyn st. D. F. Hoover (C), 4049 Warren street. Repairs.

Rooming house, 1809 Filbert street, \$1,238. Penna. R. R. Co. (O), Philadelphia. Edw. Reuss, Jr. (O), 921 South Forty-sixth street. Steam heating plant.

Dwelling, 4038 Baring street, \$550. Wm. Sinnott (O), on premises. Harry Blackburn (C), 2 South Forty-second street. Hot water heating.

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SEALED PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 10, 1916.—Sealed proposals will be opened in this office at 3 p. m. Dec. 26, 1916, for the construction of the United States post office at Frederick, Md. Drawing and specifications may be obtained from the custodian of the site at Frederick, Md., or at this office, in the discretion of the Supervising Architect. Jos. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 10, 1916.—Sealed proposals will be received at this office until 3 p. m. December 18, 1916 and then opened for miscellaneous repairs, new roof, etc., for laundry building, Bureau Engraving and Printing, Washington, D. C., in accordance with the specification and drawings Nos. 100, 400, and 401, copies of which may be had at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

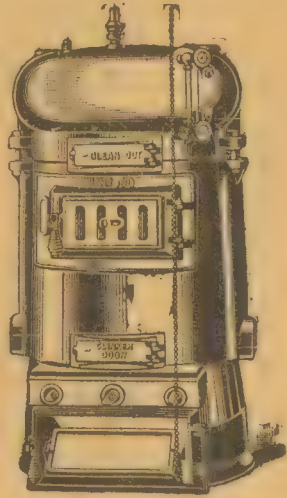
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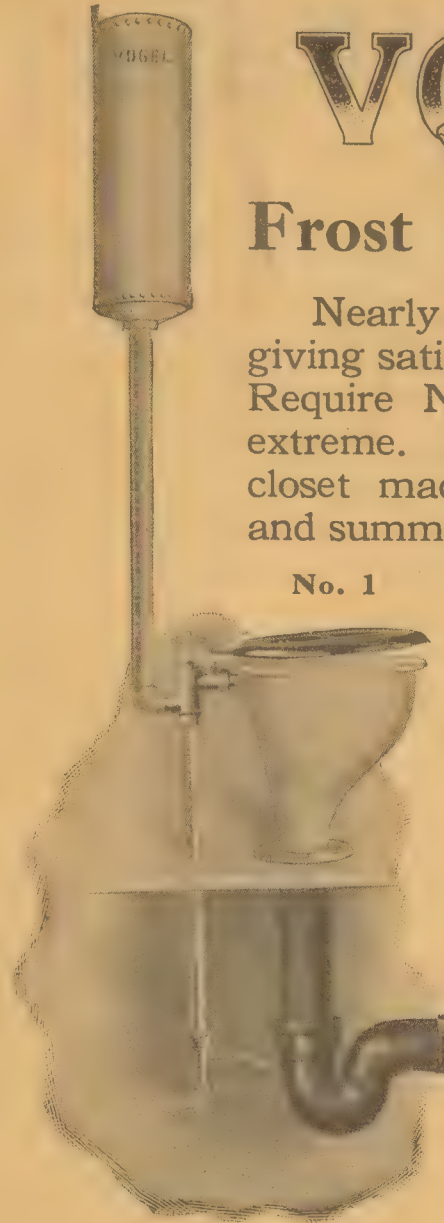
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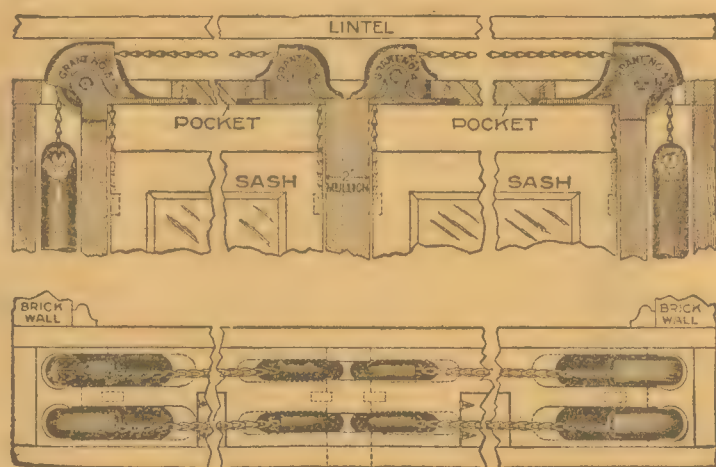
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Vol. XXXI., No. 48.

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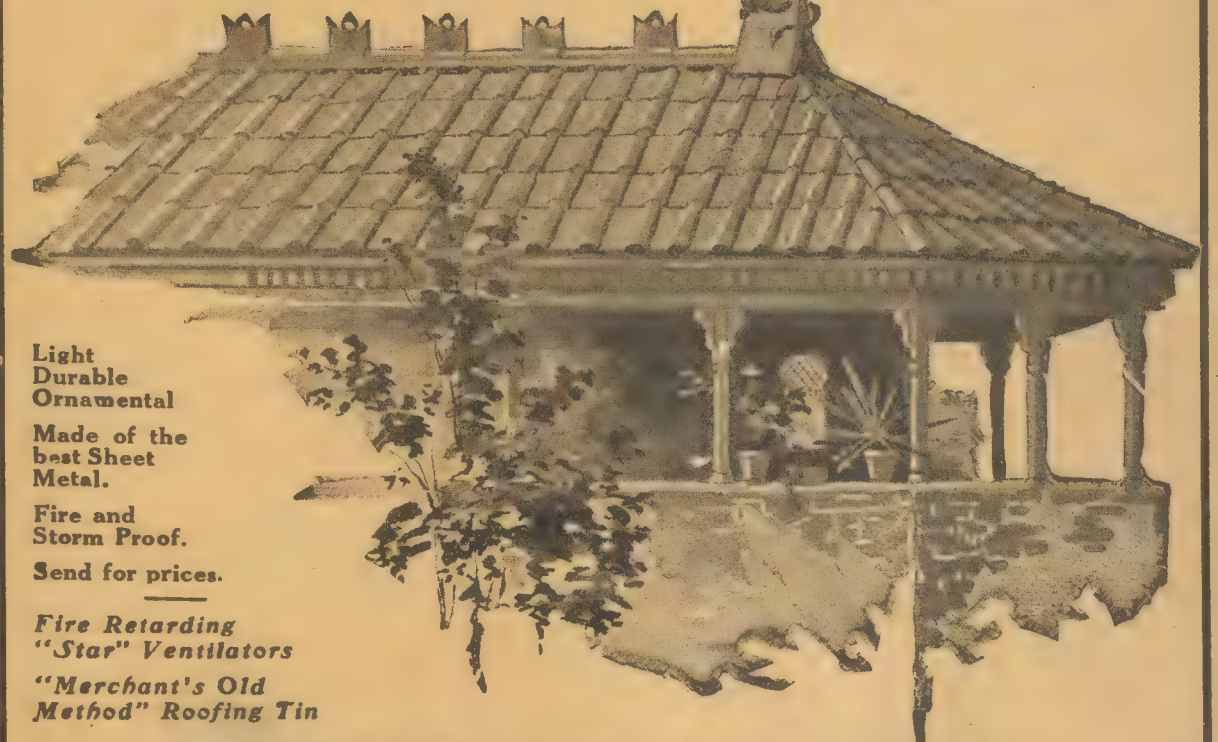
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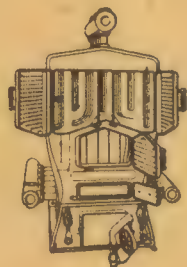
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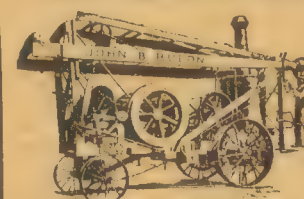
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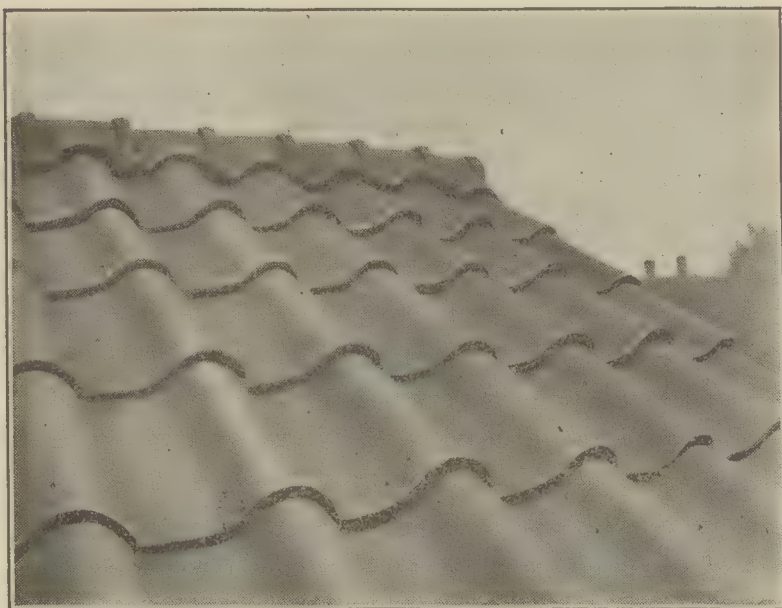
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BUILDERS' GUIDE

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VOLUME XXXI
Number 48

PHILADELPHIA
November 29, 1916



As The Editor Sees It



IMAGINE yourself, Mr. Architect of the Present Day, being called upon to name the finest buildings in the United States, say, twenty-five years back. Fine buildings were not so plentiful a quarter of a century ago as they are to-day, the skyscraper type, to which we owe so much that is distinctive in our American architecture, being a comparatively recent development. In the *Architectural Record*, Professor A. F. Hamlin gives a list of some of the buildings one might have enumerated had one been asked to name the finest of recent buildings at that time. This list is interesting as showing to what a notable extent we have gained architecturally within the past two decades.

If one had been asked twenty-five years ago to name the finest of recent buildings in America at that time he might have enumerated, says Professor Hamlin, Trinity Church and the nearby terracotta Fine Arts Museum at Boston (now demolished); the County Court House at Pittsburgh, the Albany City Hall, some of Richardson's libraries and his Harvard Law School, the Harvard Memorial Hall, the Connecticut Capitol at Hartford, the Chicago Auditorium, St. Patrick's Cathedral, the Madison Square Garden, the three Vanderbilt houses, the "Villard houses," and the Mills Building at New York, Link's St. Louis railway terminal, and the Ponce de Leon at St. Augustine. Not another church, railway terminal, or library (except Hunt's Lenox Library at New York), not a museum or theatre or town hall could be named of any importance that rose above absolute mediocrity; while in general our civic, Federal and ecclesiastical architecture was beneath contempt, and our railway stations were a disgrace.

There is food for comforting reflection, surely, in the thought that the opulence we are able to boast in buildings that soar beyond the mediocre in our

present-day architecture has all come about within a brief space of time. Professor Hamlin mentions specifically something like twenty buildings. What twenty buildings would the architect of to-day pick to class as the finest of recent examples of successful design?

I am free to confess that, for one, I would welcome a list of the best twenty buildings of the present day if for no other purpose than that of comparison with the list submitted by Professor Hamlin. What twenty structures may be listed as best to-day?

Has no one, competent to pass an opinion, the temerity to essay a try at such a grouping of what is architecturally finest in the buildings of to-day?

* * *

MY attention has been directed to a paper, under the general title "What Can Best Be Done to Advance the Interests of the Engineering Profession in the United States," which was read before the Engineers' Society of Western Pennsylvania by Mr. J. A. L. Waddell. That which gives the paper a special pertinency (in my eyes) is the fact that most of the things predicated by Mr. Waddell as true of engineers are in the same sense and to an equal degree true of architects. An attentive reading of the major premises in Mr. Waddell's argument will make plain just what I mean.

It will be well to summarize the undesirable conditions and the alleged deficiencies in the general make-up of American Engineers, writes Mr. Waddell. Those most commonly recognized or claimed are the following:

A. The importance of the engineering profession is not at all adequately recognized by the general public.

B. Engineers, as a class, are not paid enough for their services.

C. Engineers are not sufficiently often appointed to high executive positions for which their special training and knowledge eminently fit them.

D. In most joint work where a lawyer and an engineer are employed the lawyer is usually given the leading part and the greater compensation and the engineer is forced to fill a subordinate position with small pay.

E. Engineers do not take a proper interest in politics and hence are not given any of the political plums, these going generally to the lawyers and the business men.

F. Engineers are too modest for their own good, hence their great works are comparatively unknown outside of the technical world and often none too well within it.

G. Engineers as a class are lacking in the ability to speak readily and convincingly in public and hence cannot influence the masses or guide their efforts towards the accomplishment of important *desiderata*.

H. Engineers are trained too closely along narrow mathematical and technical lines and not in those which develop them broadly as men and as citizens.

I. Engineers, as a class do not pay sufficient attention to the proprieties, do not dress with sufficient care, do not have sufficient dignity, and rather look down upon a man who concerns himself seriously with such matters of minor importance as personal appearance and the general requirements and trifling obligations of society.

* * *

THERE were other and additional points to Mr. Waddell's indictment but they were of a more restricted applicability. Read "architect" for engineer, in those we have elected to retain, and you gather a fairly accurate statement of some of the reasons for the

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surprising absence of popular interest in subjects of an architectural import.

There are exceptions, of course. Any of us will find it easy to name engineers and architects as well who can talk as eloquently in public, who maintain as high an average of civic usefulness, who are as prominent in municipal affairs as their associates in more favorite professions.

But these exceptions suffice merely to prove the rule. In a general sense Mr. Waddell's summing-up of conditions in the engineering profession are based on an intelligent understanding of the facts and his findings are as true of the architectural profession, in the mass, as they are of his fellow engineers.

Philadelphia shines perhaps to better advantage in this respect of its treatment of technical experts than do most great cities. Three of the six directors comprising the Mayor's cabinet are engineers. Architects of repute are not only called into conference from time to time but commissioned to design all municipal work of importance. The Art Jury and Comprehensive Plans Committee are in intimate and constant touch with the best architectural thought of the community.

And yet it is undeniably true that architects as a class do not take the interest whether in politics or in civic affairs that they should, do not mix as freely as do men of other professions in the quotidian activities of the community, do not assert their claims with the skill and adroitness common to representatives of the other professions. Whether this indifference springs from modesty—as Mr. Waddell puts it—a narrowing, preponderating predisposition to the purely technical—due to their training—or to a lack of sympathy with mass opinion, may be left to conjecture.

The facts are as they stand. And one of the first and least dispensible prerequisites to remedial effort must be a frank recognition of the facts.

* * *

NEW YORK has recognized the wide gap that yawns between the public and the architect by establishing a lecture corps and arranging a series of free popular lectures dealing with architecture in the public schools of that city. The Municipal Art Society in that city is also doing a valuable and appreciated work in seeking to bring about a better understanding as between the man in the street and the men who plan and design beautiful buildings.

If Philadelphia is doing anything in the same general line outside of an occasional lecture on an architectural topic, limited to the seating capacity of Houston Hall, we are without definite information regarding it. The moral, we imagine, is not far to seek.

MR. WADDELL regards as of paramount importance in the training of engineers the student portion of the engineer's career. Among the improvements he is moved to suggest are these:

1. Extending the duration of the course from four to at least five, and, preferably, six years; or else the establishment of separate schools for post-graduate engineering work of all kinds.

2. Arousing the enthusiasm of the entering freshman in respect to the profession of engineering, showing them its grandeur and its usefulness to mankind.

3. Inculcation of a love of study and work for their own sake and not mainly because of the money that can be earned thereby.

4. Instruction as to how best to study so as to save time and labor, or in other words, the economics of mental effort.

5. A thorough, elaborate and systematic study of sound business-English, extended over each year of the entire duration of the course.

6. A general broadening of the course of study so as to include thorough instruction in such important lines as economics, history, oratory and business.

7. Making the study of the Spanish language obligatory, and that of any other foreign modern language optional.

8. Improving fundamentally the study of all foreign languages, so that upon graduation all the students thereof shall be able to read, write and speak them fluently, correctly and gracefully.

9. Study of the art of systematization and its application to all lines of activity.

10. Teaching of ethics to engineers.

11. Accumulation of individual libraries, and showing how to utilize them properly.

12. Establishment of better opportunities for acquiring individual scholastic distinction by the students."

* * *

BY way of advancing the interest of the profession after the young engineer has entered upon practice Mr. Waddell suggests:

1. Continuing study after graduation.

2. Buying books and collecting data.

3. Post-graduate work at some leading technical school, and obtaining of advanced degrees.

4. Joining technical societies.

5. Systematization of work.

6. Adherence to professional ethics.

7. Setting an ultimate goal to attain.

8. Writing technical papers and books.

9. Publicity of achievement.

10. Helpfulness to others.

11. Becoming a useful citizen, attaining prominence in the community, and keeping abreast of the times.

* * *

ARE we at fault in inferring that we have here certain fundamentals not less applicable to the profession of architecture—more particularly, may we add, in the rules which Mr. Waddell lays down for the guidance of the young practitioner?

EDITORIAL NOTES

National Complete Building Show will be held in the Grand Central Palace, New York City, March 5-11, 1917.

* * *

The highly trained business man who is nothing more than a business man is a menace to the community because he is cheating it of the co-operation along social lines that it has a right to expect, said Dr. J. P. Lichtenberger, professor of sociology at Pennsylvania, in speaking to the Robert Morris Club, a group of Wharton School students, at 126 N. 18th street.

"Modern college-trained men are twice as efficient as the men of a generation ago," he said. "So far as business ability is concerned, but frequently they multiply our social problems instead of helping to decrease them. The social obligations we have a right to expect from them in good government and health problems in return for the fortunes granted them by society are often disre-

garded if not absolutely perverted. Over-commercialization is the greatest danger of the age. It produces hard, unserviceable men without appreciation of social co-ordination, and without the fund of outside activities that make for good citizenship. The ideal of the domineering superman ought to be an outworn fetish."

* * *

National Builders' Supply Association will hold its annual convention at the Hotel Sherman, Chicago, February 11-12, 1917.

* * *

Hollow Building Tile Manufacturers' Association has moved its offices from Cleveland, O., to Chicago, Ill.

* * *

H. B. Coleman has been appointed sales manager for the Russell & Erwin Manufacturing Co., of New Britain, Conn.

Pyrene Manufacturing Co., 52 Vanderbilt avenue, recently appointed T. F. Flanagan general sales and advertising manager of the concern to fill the vacancy left by the elevation of C. L. Allen to the presidency.

* * *

Wages paid by the Steel Corporation in the first half of 1916 amounted to \$124,789,298. The corporation's wage item for 1915 was \$176,800,866, and for 1913, the record year for wage payments, \$207,206,175.

* * *

As a further step in carrying out the plan for refinancing the Philadelphia Electric Company, announced last summer, application has been made to the Public Service Commission of this State for permission of the Philadelphia Electric Company of Pennsylvania to take over the underlying properties controlled by lease by the Philadelphia Electric Company of New Jersey.

The plan provides that the new Pennsylvania company will own these properties outright. About fifteen underlying companies are involved. The purpose is economy and efficiency of management.

* * *

The Russian Government has placed a contract with the Baldwin Locomotive Works for forty of the large type locomotives for use on the Trans-Siberian Railroad. The order involves an expenditure of \$1,250,000, delivery to be made next spring. Including the Russian contract, the Baldwin company has received orders for 100 locomotives during the last two weeks, the others being for domestic use.

* * *

Several hundred employing painters of this city and vicinity attended a dinner at the Builders' Exchange, Seventh street below Market, given by the Master Painters' and Decorators' Association of Philadelphia to stimulate co-operation for improvement of trade conditions.

A. H. McGhan, of Washington, secretary-treasurer of the International Association, was the honor guest. He described plans for the organization to bring the master painters of this country and Canada into closer relationship, which will be discussed at the annual convention in February in New Haven.

* * *

Within about three years the Sparrows Point plant will have an annual output of 1,250,000 tons of steel, shipbuilding facilities including accommodations for the largest dreadnought and a thirty-five foot channel connecting with the Chesapeake Bay.

DECAY SPOILING MANY FINE CITY BUILDINGS.

Changes of Temperature, Action of Gases and Other Chemical Agencies Responsible for Blight to Be Seen in Many Places

It is pathetic to meet with so many exhibitions of decay in various kinds of building stone so commonly used in days gone by, and which, so far as that goes, are still more or less in general use. To realize the extent to which decay in stone may go, one needs but walk through any ancient churchyard, such, for example, as that of the famous old Trinity Church, in New York City. All the headstones there, dating from 100 years back, will be seen to be crumbling to dust, and even some parts of the outer walls, which were erected in the year 1813, are in parlous case.

Any one interested in such matters has only to examine the elevations of buildings in this city erected some forty or fifty years ago to be made at once aware of the condition due to so-called "weathering" of the stone work. Evidences of decay in stone are, however, not confined to buildings of ancient date, and even the casual observer will note with regret the blight that has fallen on many noble edifices of more or less recent origin.

To the trained eye of the expert such buildings as the great Public Library, in Fifth avenue and Forty-second street, erected within the past five or six years; the magnificent Metropolitan Tower; that finest of all the churches on the American continent, St. Patrick's Cathedral, and one of the handsomest banking houses in Wall street, erected about two years ago, already display the distinctive marks of incipient decay. Many such structures have in the course of comparatively few years to be patched with unsightly cement concrete. It is more than probable that these buildings, upon which neither thought nor money had been spared, to render them for generations to come monuments of an age of art and progress, will succumb to the ravages of time far sooner than their originators ever expected.

Unfortunately it must be held as an axiom that no reliable means exist whereby decay in stone can be arrested when once it has set in. Building stone, as commonly used, if and when subjected to marked variations of temperature, and also when exposed to vitiating atmosphere incidental to cities and industrial centres, will sooner or later become denatured. As a matter of fact no class of stone is immune, and this statement applies in greater or lesser degree to ordinary limestone, crystalline limestone, magnesian or dolomitic limestone, to the majority of sandstones and even to stones of granitic type. The effect of weathering on granite is well exemplified in the columns, architraves and friezes of the grand old Treasury Building in Wall street.

There are so many divergent agencies under so many varying conditions and circumstances which play their part in the denaturing of stone that it would be unwarrantable to generalize as to the value in respect of durability

of this or that particular class or variety. There are, however, certain unmistakable characteristics which should enable the prospective builder to fairly accurately appraise the probable permanence of a given stone, if and when erected in given localities and under given conditions. There are also certain handy tests for stone the value of which will be appreciated after due consideration of the causes and reasons of stone decay.

In some stones disintegration already commences at a comparatively early date, and stones of this description will assuredly become denatured, at any rate in so far as its surface is concerned, in the course of a decade or so. In other cases initial disintegration is long postponed, and one hundred years or more may pass before serious damage is manifest. The agencies of decay may be classed as organic, frictional, mechanical, chemical and chemico-mechanical.

In large cities the first two named agencies are, as a rule, of little importance, and one may perhaps also safely ignore the washing out of carbonate of lime by fresh rain water. Among organic agencies are various species of lichen (*Verrucaria calcarea*, *Amphoridium dolomiticum*, etc.), and when stone is exposed to sea water various kinds of marine algae are apt to find lodgment thereon. The roots of these lichen often penetrate the surface to a depth of a millimeter or more.

Frictional agency consists principally in abrasion caused by the impact of sharp sand

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particles repeatedly driven by prevailing winds against the face of the stone.

In cities it is to the last three mentioned agencies that one has to look for the mischief. So far as the mechanical agency is concerned, it is to all intent limited to deformation due to alternations of temperature, and also to the freezing of water, as and when occluded in the pore spaces or interstices of stone. Contraction and expansion are detrimental in that they loosen the mortar joints, while expansion of itself is serious by reason of the fact that when in an expanded condition and when dry stone is more readily permeable by moisture. The occlusion of water which occurs in the case of so many building stones, with subsequent freezing, is probably the most pernicious and disastrous agency of all.

In tropical and semi-tropical countries stone strongly heated by the rays of the sun and suddenly subjected to drenching with water on the downfall of rain is often found to crack and to craze.

Chemical reactions, due to the influence of gases carried in the atmosphere, affect principally calcareous stones, although sandstones, when the latter are characterized by a carbonate of lime matrix, are by no means exempt from such chemical influence. The gases in question are usually of the sulphurous variety, such as in moist air may be eventually oxidized into sulphuric acid. The action of sulphuric acid on carbonate of lime being to form calcium sulphate, eventually crystallizing as gypsum, serves after a time by means of such chemico-mechanical agency to disrupt the surface of the stone, thereby facilitating further access of the acid moisture.

In manufacturing districts it often happens that nitric acid, hydrochloric acid and in some cases ammonia are also liberated into the atmosphere, all of which when coming into contact with building stone must naturally conduce to decay.

The outpouring from chimneys of particles of carbon and tar serve not only to blacken buildings in the vicinity, but also to some extent act as carriers and holders of the gases aforesaid. It is furthermore of interest to note that fog and mist are more injurious than rain, for not only do they act as carriers or the dissolved gases to the surface of the stone, but stay there, whereas in the case of rain the face of the stone is being continuously washed. Snow carries a higher percentage of such gases than does rain water, and often rests for a long time on ledges and mouldings. Other chemical agencies are salts in solution, which may possibly be present in the earth adjacent to the foundations of buildings.

On reflection it will be recognized that the denser and more homogenous in structure is a stone by nature, that is to say, the fewer or smaller the pore spaces, or interstices, the less is the likelihood of speedy degradation. It is equally apparent that silicious stone is by nature less liable than is calcareous stone to suffer from chemical reactions. Indeed, sandstone will not suffer at all in this particular respect unless the matrix happens to consist largely of carbonate of lime.

Unfortunately, sandstones, with few exceptions, are not homogenous in structure, that is to say, they, like many limestones, are stratified, or by nature built up layer by layer. At the junction of these layers the pore spaces or interstices are generally more numerous and larger than in the body of the respective layers themselves. The result of this is that on occlusion of water, with subsequent freezing, the differing coefficients of expansion throughout the mass inevitably lead to rupture.

Probably the most perfect sandstone known, and in former times used the world over because of its homogeneity of structure, together with the low percentage of lime contained in the matrix, was that found in the Craigleith quarry in Scotland. The quarry in question has unfortunately now been worked out, but so-called Craigleith stone is still largely exported from the district, although by no means the equal in quality to the old far famed Craigleith stone.

In the matter of permanence a dense and homogenous sandstone of the Craigleith variety, in which the matrix would be silicious rather than calcareous, would be the ideal stone for city buildings, if indeed it were possible to find such stone.

Broadly speaking, the following is a reliable table as to the respective ranking of building stones relative to durability: 1. Granite or porphyry; 2. Dense, homogeneous sandstone; 3. Crystalline limestone; 4. Dolomitic or magnesian limestone; 5. Free limestone; 6. Free limestone containing casts of fossils; 7. Stratified limestone and stratified sandstone.

A ready test for porosity or for more or less invisible fractures is the so-called "staining test." The stone to be tested should be first well dried and then soaked for a period of some forty-eight hours in a saturated solution of nigrosin in absolute alcohol. Hydroscopic stones become stained completely throughout, while cracks, cleavages and large pores are shown up clearly by the darker markings.

A number of technical tests exist as to the value of which there is much differing of opinion. For tensional and crushing strains, rate of absorption, freezing and corrosion, it is as well before deciding to adopt any particular stone to submit adequate specimens to some testing form of repute or to some recognized petrological authority. Finally it should be borne in mind that while hardness in stone is always a desideratum the fact must not be overlooked that hardness is often accompanied by brittleness and that the characteristic of toughness is, if anything, of greater importance than is actual hardness.

Toughness is ascertained by dropping a standard weight upon a specially prepared test piece until it breaks. The height in centimeters of the blow which causes the rupture is used to represent the toughness of the stone.

To sum up, the motto of both architects and builders relative to building stone should be "density with homogeneity of structure," and for preference stone of silicious rather than calcareous constituency.—"New York Sun."

Labor means morality. The man who must work hard for a living has no time to run after other men's wives nor to constitute himself a receptacle for highballs. Only the laborers are religious. Leisure has ever been fatal to worship. It is useless to preach salvation to idle people. Remember the camel and the needle's eye.—"Onlooker."

STUDY THE ADVERTISING PAGES.

The average reader does not pay very close attention to the advertising pages unless he happens to be particularly interested in some product or is in the market for equipment or material. He is missing a part of scientific literature which offers suggestions as practical as the reading pages. He is also losing an opportunity of studying a subject which bears the most important relationship to every business on earth. No matter what line of work you may be engaged in, a knowledge of publicity and salesmanship is valuable. Every form of occupation to be made successful depends upon a degree of salesmanship. Study the advertising pages. They represent an expenditure of time, thought and money, which makes them well worthy of your attention.—"Municipal Engineering."

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Of real interest to the owners of real estate in New York City is a matter taken up by Albert Oliver & Son, Inc., and the Octagonal Reinforced Floor Company. The above companies have erected, under the supervision of Professor James S. Macgregor, of Columbia University, and the Departments of Buildings of the several boroughs of New York City, a cinder concrete flat slab on steel frame beams 20 feet by 20 feet center to center. The load test to comply with the regulations of the Building Code of New York City, will be conducted at a time to be named by the Superintendents of Buildings. It is proposed to have present at this test, representatives from many of the greater cities of the United States and Canada, and also representatives from all of the technical schools, engineering societies, builders' associations, and cement and steel manufacturers.

In discussing the matter Mr. Oliver named the following reasons as governing the decision of the Octagonal Reinforced Floor Company for placing their new system of reinforcing on the market in conjunction with cinder concrete: High valuation of land, high cost of labor and material, high cost of upkeep and excessively high taxation.

Advance Construction News

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Nurses Home, Thirty-fourth and Pine sts., Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Dept. of Public Health & Charities, Wm. Krusen, director, City Hall. Brick, stone trimmings, 5 stories, 80x140 feet, slag roof, metal sash and lath, waterproofing and dampproofing, fire doors, ventilators, tile and marble work, hollow tile, elevators, pine and cement floors, weatherstrips, cabinet work, enameled brick, terrazzo work (heating, plumbing and electric work separate bids). Owners have received bids.

Bank Building (interior work), Thirteenth and Market streets, Philadelphia. Owners, Colonial Trust Co., 45 South Broad street, Philadelphia. Architect, Alfred C. Bosson, 366 Fifth avenue, New York City. Electric lighting, metal lath, cement, oak and linoleum floors, hollow tile work, metal lockers, cabinet work, steel doors, ornamental iron, tile and marble work. Architect taking bids. Warren Moore Co., Commercial Trust Building, Philadelphia, is figuring.

Garage, 1314 Callowhill street, Philadelphia. Architect, Wm. H. Wooters, 816 West Allegheny avenue, Philadelphia. Owners, Estate of Frank D. Green, 1413 Vine street, Philadelphia. Brick, 2 and 1 story, 53x140 feet, slag roof, steam heating, electric lighting, cement floors. Owners have received bids.

Laundry (alt. and add.), 5732 Race street, Philadelphia. Architect, H. E. De Hoff, 48 South Sixty-first street, Philadelphia. Owners, White Star Laundry Co., 5732 Race st., Philadelphia. Brick, addition, 2 and 1 story, 48x103 feet, slag roof, cement and maple floors (heating and lighting reserved by owners), metal sash. Owners have received approximate bids.

Twin Residences, 4 and 6 W. Coulter street, Germantown. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, J. S. Walker, 228 Manheim street, Germantown. Brick and rough cast, 2½ stories, slate roofs, hot water heating, electric lighting, tile work, hardwood floors. Architect taking revised bids November 27th. In addition to those reported, Chas. H. Fischer, 3654 North eMrvine street, is figuring.

Store and Office Building (alt. and add.), southeast corner Sixteenth and Walnut sts. Architects, Watson & Huckle, 1211 Walnut street, Philadelphia. Owners, Maxwell & Berlet, southeast corner Sixteenth and Walnut streets, Philadelphia. Brick, 1 story, consists of extensive alterations and additions, exterior and interior. Architects taking bids, due December 4th. The following are figuring: Rodyhouse-Arey Co., Fidelity Building; Chas. McCaul Co., 1713 Sansom street; James Johnston, 1721 Ludlow street; A. M. Williams Sons, 419 Locust street; Geo. L. Sipps, 912 Locust street; Metzger & Fisher, Denekla Building; Thos. Little & Sons, 1713 Moravian street, and Graham-Capion Co., Heed Build-

ing; Thomas M. Seeds, Jr., Co., 1207 Race street; I. T. Shoemaker, 1324 Walnut street; Elfretth & Co., 1633 Ranstead street; J. Richard Jackson, Perry Building, Philadelphia.

Group of Buildings, Front and Federal sts., Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Brick, steel, concrete, plaster, corrugated iron, wagon shed office, 15x8 feet; yard clerks office, 16x8 feet; car inspectors building, 21x10 feet; carpenter shop, 25x12 feet; scale office, 9x6 feet; loading and island platform, 210x40 feet; garage, 31x33 feet; and office and toolhouse, 76x24 feet, tile, tin and slag roofs, steam heating, electric lighting, cement, composition and wood floors, metal lath, waterproofing, ventilators. Owners taking bids, due November 29th at 11 A. M. In addition to those reported, F. C. Myhlertz, 1069 Powelton avenue; Roydhouse-Arey Co., Fidelity Building; John N. Gill & Co., Heed Building; Graham-Capion Co., Heed Building; E. E. Hollenback, Fifteenth and Race streets; Dirseoll Const. Co., Stock Exchange Building; F. J. Boas, 201 North Broad street, and Harry Gill, Jr., 2515 Germantown avenue; Sutton & Stephenson, 1317 Washington avenue; J. Sims Wilson Co., 1125 Brown street; H. H. Wehmeyer, 1004 Lehigh avenue, and Pomeroy Const. Co., 1609 Ranstead street, are figuring.

Store House, 1937 and 1939 Moravian street, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, E. T. Stotesbury, 1925 Walnut street, Philadelphia. Brick, terra cotta trimmings, 2 stories, 17x20 feet and 16x16 feet, slag roof, kalamein doors, metal sash, cement floors, hollow tile (heating and sprinklers reserved). Architect has received bids.

Store (alt. and add.), Eleventh and Chestnut streets, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Walter G. Becker, 1012 Chestnut st., Philadelphia. Brick, steel and terra cotta, 5 stories, slag roof, steam heating, electric lighting. Plans in progress. Will take bids in about one week.

Church, Twenty-seventh and Indiana avenue, Philadelphia. Architect, W. W. Sharp-ley, Fourth and Chestnut streets, Philadelphia. Owners, Diamond Street Baptist Church, Rev. Geo. E. Ross, 2227 Venango street, Philadelphia. Stone, 1 story, 50x80 feet, slate roof, steam heating, electric lighting. Plans in progress.

Garage, 705-707 South Philip street, Philadelphia. Architect, H. E. Hahn, 1112 Chestnut street, Philadelphia. Owners, S. Sklaroff & Sons, 712 South Second street, Philadelphia. Brick, 1 story, 50x50 feet, slag roof, electric lighting, steam heating, cement floor. Architect taking bids, due November 29th. The following are figuring: Lam Building Co.,

1001 Wood street; Smith-Hardican Co., 1606 Cherry street; Freund Const. Co., Bulletin Building; Jos. Levin, 1530 South Sixth st.; Wm. R. Dougherty, 1610 Sansom street; I. T. Shoemaker, 1324 Walnut street, and McCloskey & Bahls, 1620 Thompson street.

Sanitarium (add.), Germantown avenue and City Line. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Bella Vista Sanitarium, care Dr. H. L. Randall, on premises. Stone, 2 stories, 24x27 feet, slate roof, electric lightin. Architect taking bids, due as soon as possible. The following are figuring: H. E. Grau Co., 1709 Sansom street; Freund Const. Co., Bulletin Building; Pringle Borthwick, 8012 Germantown avenue; H. P. Schneider, 3713 Old York road; Wol-verton & Collins, 7930 Germantown avenue.

Church, Chestnut Hill, \$150,000. Architects, Zantzinger, Borie & Medary, southeast corner Fifteenth and Walnut streets. Owners, St. Paul's P. E. Church, care B. Franklin Pepper, chairman of building committee, 1439 Land Title Building. Stone, 1 story. Plans in progress. Too early for details.

Garage and Apartment (alt. and add.), 703 North Nineteenth street, Philadelphia. Architect, F. T. Uezzell, 147 North Third street, Philadelphia. Owner, W. A. Dunlap, 701 N. Nineteenth street, Philadelphia. Consists of general interior alterations, rear addition, brick, 1 story, 16x60 feet, slag roof, cement floors, electric lighting, hot water heating. Architect taking bids, due November 29th. Smith-Hardican Co., 1610 Cherry street; Albert Zellfelder, 151 South Broad street; John R. Wiggins & Co., Heed Building; Freund Const. Co., Bulletin Building; John A. Codori, 1235 Arch street; D. O. Boorse, 1625 West Thompson street, and Wills Ludwick Co., 34 South Sixteenth street, are figuring.

Residence (alt. and add.) and Garage, 4207 Walnut street. Architects, Newman & Harris, 1123 Broadway, New York City. Owner, Jos. H. Reilly, 4533 Chestnut street, Philadelphia. Brick, plaster and terra cotta, 3 stories, tile roof, electric lighting, oak floors, metal weather strips, cabinet work, tile work (plumbing and heating reserved). Architect taking revised bids, due December 4th. Thos. M. Seeds, Jr., & Co., 1207 Race street; A. R. Raff Const. Co., 1635 Thompson street, and James H. Wells, Heed Building, are figuring.

Fire Station (alt.), Oak Lane, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, Dept. of Public Safety, City Hall, Philadelphia. Brick, 2 stories, 58x84 feet, slate, asphalt and tin roof, pine, concrete and composition floors, metal lath, waterproofing, metal locker, ventilators, safety treads, tile work, rolling steel doors, tile work, gasoline storage (plumbing, heating, and electric work separate bids). Lowest bid submitted by E. C. Durell, 1713 North Twenty-fourth street, \$20,763.

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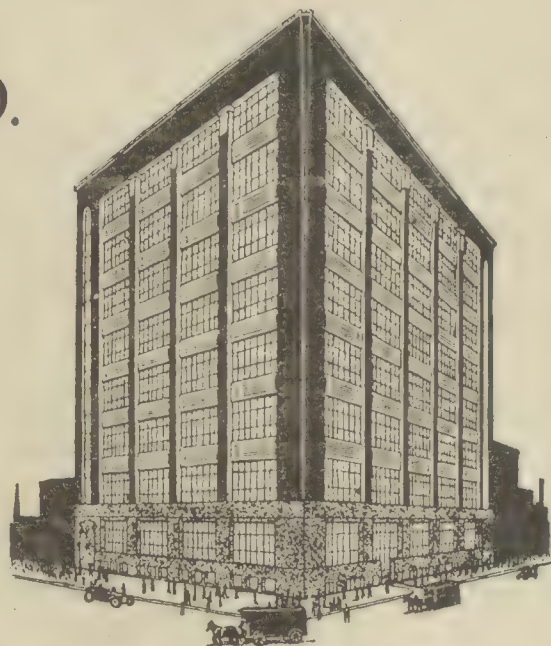
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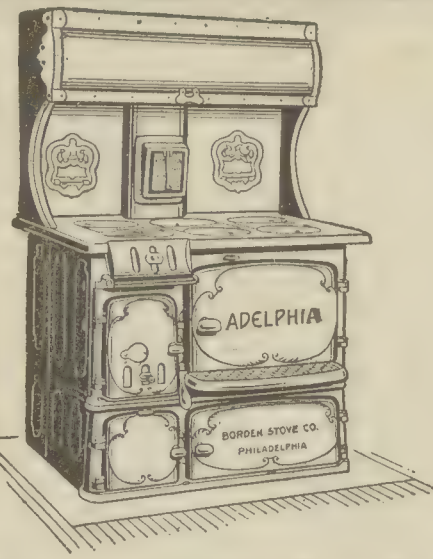
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street, and 314 Florist street. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, Dept. of Public Safety, City Hall, Philadelphia. Brick, terra cotta trimmings, consists of new fronts, plumbing, electric lighting, waterproofing. Lowest bids submitted by E. C. Durell, 1713 North Twenty-fourth street, 752 South Sixteenth street, \$3,119; and 314 Florist street, \$2,514.

Playgrounds (5), Philadelphia, Francis and Shirley streets, Twenty-fourth and Jackson streets, Sixth and Christian streets, Cedar and Cambria streets and Whitehall Commons. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, room 587, City Hall. Consists of swimming pools, shelter buildings, grading, granolithic paving, iron fences, etc. (heating, plumbing, electric work separate bids). Owners ready for bids, due December 6th at noon.

Office and Freight House (add.), Thirtieth and Market streets, Philadelphia. Architect, Maintenance of Way Dept., Broad Street Station. Owners, Penna. RR. Co., Broad Street Station, Philadelphia. Brick and frame, 2 stories, addition, 40x61 feet, and freight shed, 1 story, 145x45 feet, steel and corrugated iron, slag roof, steam heating, electric lighting, plank and composition floors, rolling steel doors. Plans completed. Owners, care Phila. Terminal Division, will take bids in a week.

Packing Plant (alt. and add.), W. Philadelphia Stockyards, Thirtieth and Race streets. Architect, C. B. Comstock, 110 W. Fortieth street, New York City. Owners, Penna. RR. Co., Broad street, Station, Philadelphia. Brick, steel and concrete, 2 stories, 61x125 feet, asbestos. reinforced concrete and composition roof, metal sash, waterproofing, fire doors, ventilators, reinforced concrete and brick floors, hollow tile, elevators, rolling steel doors. Owners taking bids, due December 9th. The following are figuring: Irwin & Leighton, 126 North Thirteenth street, Roydhouse-Arey Co., 112 North Broad street; Turner Concrete Steel Co., 1713 Sansom street; Warren-Moore & Co., Commercial Trust Building; Brann & Stuart Co., Commercial Trust Building; Alex. Chambley, 243 South Tenth street; H. H. Wehmeyer, 1004 Lehigh avenue; John N. Gill & Co., Heed Building; Metzger & Fisher, Denckla Building; Armstrong & Latta, Land Title Building, all of Philadelphia.

Store (alts.), Marshall street and Girard avenue, Philadelphia, \$10,000. Architect,

Andrew J. Sauer & Co., 808 Chestnut street. Owner, M. Hawtof, 816 Girard avenue, Philadelphia. Consists of general interior alterations. Plans in progress.

Store (alt.), 1311-13 Sansom street, Philadelphia. Owners, Yahn & McDonnell, Fifteenth and Chestnut streets, Philadelphia. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Yahn & McDonnell, Fifteenth and Chestnut streets, Philadelphia. Consists of general interior alterations. Plan sin progress.

Building (alts.), 1219 to 1225 Vine street, Philadelphia, \$25,000. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Paramount Picture Service, 1321 Vine street, Philadelphia. Consists of general interior alterations, new floors, fixtures, heating and lighting, etc. Plans in progress. Will take bids in about one week.

Garage, 1314 Callowhill street, Philadelphia. Architect, Wm. H. Wooters, 816 W. Allegheny avenue, Philadelphia. Owners, Estate of Frank D. Green, 1413 Vine street, Philadelphia. Brick, 1 and 2 stories, 53x140 feet, slag roof, steam heat, electric lighting, cement floors. Owners have received bids.

Parish House, Lincoln Drive, Germantown, Philadelphia. Architect, Spencer Roberts, 1524 Chestnut street, Philadelphia. Owners, Church of the Ephipany, care of Rev. I. A. McGrew, Pelham road, Germantown. Stone, 1 story, 63x103 feet, slate roof (electric lighting and heating reserved). Architect taking revised bids, due December 5th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; F. G. Stewart, 1619 Sansom street; J. Sims Wilson, 1125 Brown street; Thomas C. Trafford, 1613 Sansom street; Jacob Myers & Sons Co., Witherspoon Building, and William J. Gruhler & Co., 219 East High street, Germantown.

Nurses' Home, Thirty-fourth and Pine sts., Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Department of Public Health and Charities, Wm. Krusen, Director, City Hall. Brick, stone trim, 5 stories, 80x140 feet, slag roof (heat, lighting, plumbing separate bids), metal lath and sash, waterproofing and dampproofing, fire doors, ventilators, tile and marble work, hollow tile, elevators, pine and cement floors, weather strips, cabinet work, enameled brick, terrazzo work. Lowest bids submitted by Warren, Moore Co., Commercial Trust Building, \$198,000; Chas. McCaul Co., 1713 Sansom street, \$201,950.

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Stable and Garage (alt.), Philadelphia Hospital-for Contagious Diseases, Second and Luzerne streets. Architect, private plans. Owners, City of Philadelphia, Department of

Health, Wilmer Krusen, Director, City Hall, Philadelphia. Brick piers, metal lath, cement floors. Owners taking bids. I T. Shoemaker, 1324 Walnut street, is figuring.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory (add.), 830 North Third street, Philadelphia, \$10,000. Architect, private plans. Owners, Royal Pioneer Paper Box Co., 934 North Third street. Brick and steel, 3 stories, 25x105 feet, slag roof, pine floors, metal sash, fire doors, tile work. Contract awarded to Jos. Levin Co., 1530 South Fifth street, Philadelphia.

Tube Shop, near Seventy-third and Elmwood avenue, Philadelphia, \$6,400. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Penna. Flexible Metallic Tubing Co., Broad and Race streets. Brick, 1 story, 92x44 feet, maple and cement floors, slag roof, fire doors, ventilators. Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

School, Sartain and Moore streets, Philadelphia, \$114,959. Architect, J. Horace Cook, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street. Brick and reinforced concrete, stone trimmings, 3 stories, 84x113 feet, composition roof, steam heating, asphalt, cement and maple floors, metal lath and sash, waterproofing, fire doors, ventilators, tile and marble work, hollow tile, weatherstrips, cabinet work (plumbing, heating, electric work, ventilating separate bids). Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Factory (alt.), Carpenter and Watts streets, \$2,500. Architect, private plans. Owners, A. B. Kirschbaum Co., Broad and Carpenter streets. Brick, 1 story, 25x140 feet, consists of general interior alterations, millwork, pine floors and cement work. Contract awarded to Freund Const. Co., Bulletin Building, Philadelphia.

Warehouse (alt.), 336 South Delaware avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Chas. T. Robinson, 107 Walnut street, Philadelphia. Brick, consists of gen-

eral interior alterations. Contract awarded to Metzger & Fisher, Denckla Building, Philadelphia.

Salesroom (alts.), 441-451 North Broad st., Philadelphia, \$15,000. Architect, John L. Conoys, 129 South Fifth street, Philadelphia. Lessee, Hupmobile Sales Corp., 332 N. Broad street, Philadelphia. Consists of general interior alterations, new front, tile work, stucco, plate glass, interior marble work. Contract awarded to LeRoy K. Smith, Forty-first and Chester avenue.

Garage, Wynnefield avenue, Philadelphia. Architect, P. J. Kluges, 1012 Walnut street, Philadelphia. Owner, A. C. Schwoerer, on premises. Stone, 1½ stories, 24x42 feet, slate roof, hot water heating, electric lighting. Contract awarded to Henry C. Dahl, 231 S. Eighth street, Philadelphia.

Ice Plant, Twenty-fifth and Morris streets, Philadelphia, \$13,000. Engineer, York Mfg. Co., York, Pa. Owners, Crescent Ice and Coal Co., Fifty-second below Woodland avenue. Brick and steel, 1 story, 230x56 feet, slag roof, concrete floors. Contract awarded to Herman Voigt, 1251 North Twenty-eighth st., Philadelphia.

College Club (alt.), Thirteenth and Spruce streets, Philadelphia. Architect, Geo. S. Idell, 31 South Sixteenth street, Philadelphia. Owners, College Club, Thirteenth and Spruce sts., Philadelphia. Consists of new stairway, small addition, brick. Contract awarded to Herman Niemeyer, Weightman Building.

Bottling House, Twenty-ninth below Poplar streets, Philadelphia, \$30,000. Architect, private plans. Owners, Louis Bergdoll Brewing Co., Twenty-ninth and Parrish streets. Brick, and concrete, slow burning, 1 story, 75x135 feet, slag roof, cement floors (heating and lighting reserved by owners). Contract awarded to A. R. Raff Const. Co., 1635 Thompson street.

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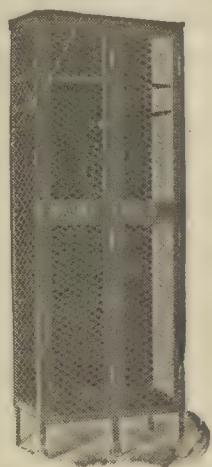
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233 ARCH ST., PHILADELPHIA

Church, Indiana avenue and Almond street, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owners, St. George's P. E. Church, care Rev. A. J. Larkin. Stone, 1 story, steam heating, electric lighting, slate roof. Contract awarded to Thos. Little & Sons, 1713 Moravian st.

Offices (alt.), American and Willow streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, C. J. Matthews & Co., on premises. Brick, consists of plumbing, partition work, composition floors, marble work. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Dairy (alt. and add.), 3333-37 Ludlow st., Philadelphia, \$27,000. Architect, Chas. H. Caspar, 925 Chestnut street, Philadelphia. Owners, Supplee Alderney Dairies, 1118 Jefferson street. Brick, steel, concrete, 3 and 1 story, additions, 90x26 feet, 50x56 feet, slag roof, cement floors, metal sash, waterproofing. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

Crushing Plant, Bridesburg, Philadelphia. Architects, Stearns & Castor, Stephen Girard Building, Philadelphia. Owners, Abrasive Co., James and Fraley streets, Philadelphia. Brick, steel and reinforced concrete, 2 and 3 stories, 46x85 feet, slag roof, cement and maple or gumwood floors, metal sash, waterproofing, fire doors. Contract awarded to John R. Wiggins & Co., Heed Building, Philadelphia.

Garage, Church lane and Main street, Germantown. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Church Lane Garage Co., on premises. Brick and reinforced concrete, 1 and 2 stories, 78x111 feet, slag roof, steam heating, electric lighting, ce-

ment floor. Contract awarded to Conneen Const. Co., 1829 Filbert street.

Office Building and Warehouse, Thirtieth below Locust street. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Morris Wheeler & Co., 1606 Market street, Philadelphia. Brick, steel and corrugated iron, 1 story, 120x316 feet, composition or slag roof, steam heating, electric lighting, plank floors. Contract awarded to Wm. Steele & Sons Co., Sixteenth and Arch streets.

Alterations to 2 Buildings for Church, 1235-37 North Second street. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Presbyterian Church, Rev. Christian Klenk, 1233 North Second street, Philadelphia. Consists of general interior and exterior alterations, slag roof, skylights, hot water heating, electric lighting, tile work, marble work, cabinet work, hardwood floors. Contract awarded to Albert Schmitt, 2449 North Hancock street.

Fraternity House, 3618-20 Locust street, \$25,000. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Phi Sigma Kappa Fraternity, 3732 Walnut street. Brick, stone trimmings, 4 stories, 34x75 feet, tile roof, steam heat, electric lighting, tile work, hardwood floors. Contract awarded to Wills Ludwick Co., 34 South Seventeenth st., Philadelphia.

Garage, 1714 West Venango street, Philadelphia. Architect, J. L. Tomlinson, 4806 North Camac street, Philadelphia. Owner, James Hilliard, 1710 West Venango street, Philadelphia. Brick, 2 stories, 42x115 feet, slag roof (heating and lighting reserved by owner), cement floors, metal sash. Contract awarded to Jacob Y. Loux, 1121 Rising Sun Lane.

PENNSYLVANIA

Construction News

Reservoir, Harrison Hill, near Chester, Pa. Engineer, A. W. MacCallum, 26 South Third street, Philadelphia. Owners, A. W. MacCallum, 26 South Third street, Philadelphia. Reinforced concrete, 5,000,000-gallon capacity, 25,000 feet of 24 inch iron pipe. Owners will be ready for sub-bids in a few days.

Water Works (add.), Chester, Pa. Engineer, A. W. MacCallum, 26 South Third street, Philadelphia. Owners, A. W. MacCallum, 26 South Third street, Philadelphia. Brick, concrete and steel, 1 story, 100x120 feet, asbestos roof, electric lighting, steam heating, 10 tanks, reinforced concrete, 10,000,000-gallon capacity. New York Jewel Continental Filtration Co., 15 Broad street, New York City, taking sub-bids.

Residence, Elkins Park, Pa. Architects, McIlvaine & Roberts, Land Title Building, Philadelphia. Owner, B. Wilmsen, Spring avenue, Oak Lane, Philadelphia. Stone, 2½ stories, 54x46 feet, shingle roof, electric lighting, tile work, hardwood floors. Architects taking bids, due December 4th. The following are figuring: James H. Wells, Heed Building; Metzger & Fisher, Denekla Building; Graham-Campion Co., Heed Building; Specht & Sperry, W. John Stevens, Inc., Wyncote, Pa.

Residence (alt.), from store, 822 Main st., Darby, Pa. Architects, Henon & Boyle, 10 South Fifteenth street, Philadelphia. Owners, J. C. Fuller Co., 10 South Eighteenth street, Philadelphia. Consists of new front, brick

and stone, hardwood floors, steam or hot air heating. Architects taking bids, due December 1st. Stacy Reeves & Sons, 2011 Market street; Hogg Const. Co., 1634 Sansom street; Smith-Hardican Co., 1606 Cherry street; Thos. S. Jones, 5113 Chester avenue; Kirk & Reid, 231 South Juniper street; Geo. W. Hall, 5023 Germantown avenue, and Feeser & Co., 618 North Thirty-ninth street, Philadelphia.

Parish House, Chester, Pa. Architect, Herman Miller, Crozer Building, Philadelphia. Owners, Evangelical Lutheran Church of the Holy Trinity, Rev. John Houser. Stone, limestone trimmings, 1 story, 39x30 feet, slag roof, steam heating, marble floors electric light, metal lockers, cabinet work (electric work, heating and plumbing reserved). Architect has received revised bids.

Garage, Bala, Pa. Architect, Frank Seeburger, Penna. Building, Philadelphia. Owner, M. P. Glynn, Bala, Pa. Stone and timber, 1½ stories, shingle roof, steam heating, cement floor electric lighting. Architect has received revised bids.

Bridge, over River Road, Reading, Pa. Architect, E. B. Ulrich, city engineer, Reading, Pa. Owners, P. & R. RR. Co., care Reading Belt RR., Reading Terminal. Reinforced concrete and steel, 60 feet long, waterproofing. Owners taking bids, due November 29th. A. L. Carhart, Hale Building, Philadelphia, is figuring.

Residence (alt. and add.), Providence road, Edgmont, Pa. Architects, Furness, Evans &

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Co., and Jos. P. Sims, 1001 Provident Building, Philadelphia. Owner, E. Lowber Stokes, 104 South Fifth street, Philadelphia. Stone and frame, 2 additional stories, 12x12 feet, shingle and slag roof, pine floors (plumbing and heating reserved). Architects have received bids.

Residence, Radnor, Pa. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, John F. Meigs, 1322 Walnut st., Philadelphia. Brick and stone, 2½ stories, slate roof (heating, plumbing and electric work reserved). Plans about completed. Architects will take bids in a few days.

Garage (add.) Wayne, Pa. Architect, D. K. Boyd, northeast corner Fifteenth and Walnut streets, Philadelphia. Owners, Hale Motor Co., Wayne, Pa. Stone, concrete and terra cotta, 1 and 2 stories, 60x100 feet, slag roof (plumbing, heating and electric work reserved). Architect taking bids, due November 29th. The following are figuring: Metzger & Fisher, Denckla Building; Monaghan & Losse, 3016 Chestnut street; Millard N. Croll, Radnor, Pa.; J. D. Lingle, Wayne, Pa.; Milton W. Young, Overbrook, Pa.

Church (add.), Downingtown, Pa. Architect, Clarence Larkin, 503 Hoffnagle street, Fox Chase. Owners, Downingtown Baptist Church, Rev. W. S. Skinner, Downingtown, Pa. Stone, 1 story, 30x50 feet, slate roof. Plans completed. Owners ready for bids.

Club House, South Bethlehem, Pa. Architect, private plans. Owners, Lehigh Coke Co., South Bethlehem, Pa. Brick, 2½ stories, 35x45 feet, shingle roof (heating reserved), electric lighting, oak floors. Owners have received bids.

Locomotive Shop Foundry (add.), Reading, Pa. Architect, private plans. Owners, Philadelphia & Reading Railway, Reading Terminal, Philadelphia. Brick, 1 story, 15x20 feet, slag roof, cement floors (heating and lighting reserved). Owners have received bids.

Residence, Springfield, Pa. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, F. J. Ryan, West End Trust Building, Philadelphia. Stone, shingle and plaster, 2 stories, 36x25 feet, and wing

12x12 feet, shingle roof, hot water heating, oak floors, electric lighting, oak floors, tile work. Plans in progress.

Machine Shop, Flourtown, Pa. Architect, private plans. Owners, Sedden Bros., Flourtown, Pa. Hollow tile and plaster, 1 story, 38x110 feet, slag roof, cement floors, electric lighting. Owners taking bids, due November 27th. J. Sims Wilson & Co., 1125 Brown st., Philadelphia, are figuring.

Residence, Wyomissing, Pa., \$5,000. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, J. Everly, Wyomissing, Pa. Brick, 2½ stories, 36x40 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Garage, 32 South Eighth street, Reading, Pa. Architect, J. E. Hickman, 119 South Fifth street, Reading, Pa. Owner, name withheld. Brick, 2 stories, 26x40 feet, slag roof, steam heating, electric lighting. Plans in progress.

Residence, Reading, Pa., \$5,000. Architect, Wayne M. High, 11 North Fifth street, Reading, Pa. Owner, D. F. Frace, Reading, Pa. Brick and frame, 2 stories, 24x38 feet, shingle roof, hot water heating, electric lighting. Preliminary plans in progress.

Residence, Fleetwood, Pa., \$4,000. Architect, Wayne M. High, 11 North Fifth street, Reading, Pa. Owner, name withheld. Brick, 2½ stories, 30x35 feet, slate roof, hot water heating, electric lighting. Plans in progress.

Factory, Tacony, Pa. Engineer, Harry C. Eisenbise Co., Pennsylvania Building, Philadelphia. Owners, H. L. Gilmer Co., Tacony, Pa. Brick, slow burning construction, 2 stories, 50x160 feet, slag roof, steel sash, electric lighting. Engineers taking bids, due December 1st. The following are figuring: Burd P. Evans Co., Thirteenth and Wallace streets; J. Richard Jackson, Perry Building; Thomas C. Trafford, 1613 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Nickson-Duggan Const. Corp., 1218 Chestnut street; Hughes-Foulkrod Co., Commonwealth Building; Austin & Co., Transportation Building, Philadelphia, and Wm. D. Lukens, North Wales, Pa.

stone and terra cotta, 2½ stories, 32x95 feet, asbestos roof, steam heating, electric light, metal lath. Contract awarded to Henry P. Schneider, 3713 Old York road.

New Jersey Construction News

Church, Audubon, N. J., \$45,000. Architect, Watson & Huckel, 1211 Walnut street, Philadelphia. Owners, Audubon Presbyterian Church, Audubon, N. J. Stone. Too early for details.

Church, Wildwood, N. J. Architect, Geo. I. Levatt, 416 Walnut street, Philadelphia. Owners, St. Ann's Roman Catholic Church, Wildwood, N. J. Stone, 1 story, 65x125 feet, slate roof plumbing, lighting, vacuum heating separate bids). Architect taking revised bids, due December 1st. The following are figuring: Doyle & Co., 1519 Sansom street; Wm. J. McShane, 417 South Thirteenth st.; Chas. McCaul Co., 1713 Sansom street, Philadelphia; Richman Const. Co., Moorestown, N. J.; Thos. S. Goslin, Wildwood, N. J.; and Hiram Godfrey, Cape May Court House, N. J.

Stores (70), (4 blocks), Missouri to Florida avenues, Atlantic City, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Hedd Corporation, Guarantee Trust Building, Atlantic City. Concrete, fireproof, ornamental terra cotta, 2 stories, 1200x100 feet, slag roofs, steam heating, electric lighting, marble floors. Plans in progress. Will take bids in about one month.

New Jersey Contracts Awarded

Theatre, Pennsgrove, N. J., \$25,000. Architects, Moffett & Stewart, 30 North Third st., Camden, N. J. Hollow tile, brick and stucco, 1 story and gallery, 52x120 feet, slag roof, steam heating, electric lighting, cement and wood floors, metal lath, dampproofing. Contract awarded to Peterson Const. Co., Clayton, N. J.

Garage, South Broad street, Trenton, N. J., \$7,500. Architect, J. Osborne Hunt, 114 N. Montgomery avenue, Trenton, N. J. Owners, Kennedy & Pidecock, Inc., on premises. Brick, reinforced concrete and steel, 1 story, 50x100 feet, slag roof, electric lighting. Contract awarded to Wm. R. Ivins, American Mechanics Building, Trenton, N. J.

Residence, Greenwood avenue, Trenton, N. J. Architect, Walter Thos. Mayo, 1701 Chestnut street, Philadelphia. Owner, E. H. Freeman, 1701 Chestnut street, Philadelphia. Brick, 2½ stories, 41x34 feet, slate and canvas roof, oak floors; tile and marble work, (plumbing, heating and lighting reserved). Contract awarded to Wm. Hicks, Trenton, N. J.

Maryland Construction News

Residence (alts. and add.), Melvale, Md. Architects, Mottu & White, 322 North Charles street, Baltimore, Md. Owner, Edw. M. Fisher, 926 Cathedral street, Baltimore. Frame and stucco, shingle roof or slate roof, hot water heating, electric lighting. Plans in progress.

Church (add.), Old York road and Thirty-

PENNSYLVANIA

Contracts Awarded

Garage (alt.), Cynwood, Pa., \$600. Architect, private plans. Owner, Ira V. Woodbury, Cynwyd, Pa. Consists of general alterations and moving to new position. Contract awarded to Fred A. Havens Co., 845 North Nineteenth street.

Residence and Garage, Rose Valley, Pa. Architects, E. B. Dolk and F. W. Hastings, 34 South Seventeenth street, Philadelphia. Owner, Francois J. Torchianna, 3d, Rose Valley, Pa. Stone, hollow tile, plaster, 1½ stories, 71x49 feet, slate roof, electric lighting, metal lath, tile work, oak floors (plumbing, heating, weatherstrips reserved). Contract awarded to Herbert L. Walton, Moylan, Pa.

Mission Church, Eighth and Green streets, Marcus Hook, Pa. Architects, Edwin F. Durang & Son, 1220 Locust street, Philadelphia. Owner, Rev. Antonio Garritaro, rector, Marcus Hook, Pa. Stone and brick, 1 story, 44x84 feet, slate roof, pine floors (plumbing, heating, electric work, interior furnishings, cement paving reserved by owner). Contract awarded to Leonard Popolite, Marcus Hook, Pa.

Brewery (add.), Reading, Pa. Architect, Geo. L. Gerhard, 519 Penn street, Reading, Pa. Owners, Reading Brewery Co., Reading, Pa. Brick and steel, 2½ stories, 47x80 feet, composition roof, steam heating, electric lighting, reinforced concrete floors. Contract awarded to L. H. Focht & Son, Reading, Pa.

Buildings (5), Chester, Pa., \$110,000. Architect, W. G. Eckles, New Castle, Pa. Owners, Sun Ship Building Co., Finance Building, Philadelphia. Brick, concrete, hollow tile, stone trimmings, office building, 2 stories, 100x120 feet; superintendent's office building, 1 story, 111x93 feet; locker and shower building, 1 story, 111x113 feet, and two toilet buildings, 1 story, 32x35 feet, steam heating, electric lighting, metal lath and sash, dampproofing, ventilators, cement and terrazzo floors, composition roof, metal lockers. Contract awarded to Barclay White Co., 1713 Sansom street.

Borough Hall and Fire House, Ambler, Pa. Architects, Schermerhorn & Philips, 430 Walnut street. Owners, Wissahickon Fire Co., Ambler, Pa. Reinforced concrete, brick,

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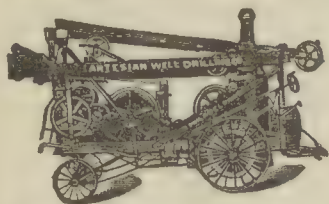


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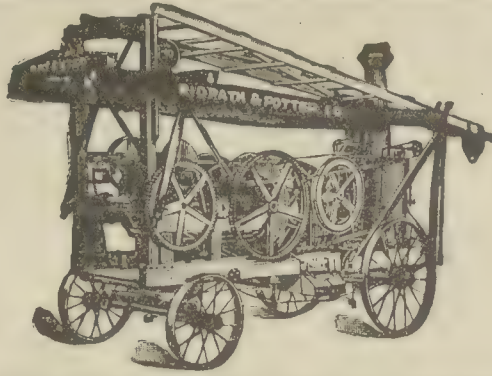
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fourth street, Baltimore, \$15,000. Architect, Clyde N. Friz, Munsey Building, Baltimore, Md. Owners, Waverly Presbyterian Church, on premises. Brick, 2 stories, slate roof, steam heating, electric lighting, plastering, plumbing, tile work. Plans in progress.



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Dwelling, Stratford road, near Northway, Baltimore, Md. Architects, Mottu & White, 322 North Charles street, Baltimore, Md. Owner, Dr. L. J. Goldbach, 322 North Charles street, Baltimore, Md. Brick, 2½ stories, 32 x 75 feet, slate roof, hot water heating, electric lighting, plumbing, tile work hardwood floors. Plans about completed.

Factory, Bayard and Russell streets, Baltimore, Md., \$25,000. Architects, private plans. Owners, Dixie Mfg. Co., M. T. Lynch, vice-president, Russell and Stockholm streets, Baltimore. Brick, 2 stories, 64x120 feet, slag roof, steam heat, electric lighting. Plans in progress. Will take bids in a few weeks.

Apartments (alts.), 1715 E. Baltimore st., Baltimore, Md., \$5,000. Architect, F. E. Beall, 306 St. Paul street, Baltimore, Md. Owner, H. W. Wagner, 3330 Hickory avenue, Baltimore. Consists of general interior and exterior alterations, hot water heating, electric lighting, plumbing, tile work, marble work, fireproof floor. Architect taking bids. Isadore Merin, 1720 E. Fairmount avenue, Baltimore, Md., is figuring.

Factory, Mt. Winans, Westport, Md., on B. & O. RR. Architects, G. E. Painter Co., 324 North Charles street, Baltimore, Md. Owners, Baltimore Enamel & Novelty Co., Woodall street, Baltimore. Brick, 2 stories, 260x458 feet, slag roof, concrete floors, skylights, steel rolling door, dumbwaiter (plumbing, electric work, heating, 3 elevators, cement work, sprinkler system reserved). Engineers taking bids, due December 7th. The following are figuring: Consolidated Eng. Co., Calvert Building; John Hiltz & Sons, 3 Clay street;

Price Concrete Const. Co., Maryland Trust Building; Henry Smith & Sons, Light and German streets; J. Henry Miller, Inc., Eutaw and Franklin streets; Cowan Building Co., 106 W. Madison street; B. F. Bennett Building Co., 123 S. Howard street; Fred Decker & Son, 1209 E. Biddle street; Wells Bros. Co., Riggs Building; Washington, D. C.

Maryland

Contracts Awarded

School (add., Reisterstown, Md. Architects, Smith & May, Calvert Building, Baltimore, Md. Owners, Franklin High School Board, Reisterstown, Md. Brick, 2 stories, slag roof, steam heating, plumbing, electric lighting. Contract awarded to G. Walter Tovell, Eutaw and McCulloh streets, Baltimore.

Residence, Guilford, Md. Architect, E. L. Palmer, Munsey Building, Baltimore, Md. Owner, Albert Schauman, 1509 Edmondson avenue, Baltimore, Md. Brick and stucco, 2½ stories, tile roof, hot water heating, electric wiring, plumbing, tile baths, hardwood floors. Contract awarded to Roland Park Co., Roland Park, Md.

Residences (112), Fairmount avenue and Cemetery lane, Baltimore, Md., \$156,000. Architects, F. E. Beall, 306 St. Paul street, Baltimore, Md. Owner, James eKelty, 1123 Poplar Grove street, Baltimore, Md. Brick, 2 stories, 14x42 feet, slag roof, hot air heating, electric lighting. Owner is taking sub-bids on all lines.

Miscellaneous Construction News

Bakery, Plant, E. Thirty-eighth street and Perkins avenue, Cleveland, O. Architect, C. B. Comstock, 110 W. Fortieth street, New York City. Owners, Ward Baking Co., South Boulevard and St. Marys streets, New York City. Brick, steel, reinforced concrete and terra cotta, bakery building, 4 stories, 381x218 feet; garage, 1 story, 115x64 feet; shop building, 1 story, 115x80 feet; engine and boiler rooms, 1 story, 74x80 feet, tile, composition roof, cement and maple floors, metal lath and sash, waterproofing, fire doors, ventilators, hollow tile, rolling steel shutters, tile and marble work, metal window guards (heating, lighting, elevators and metal lockers reserved). Architect taking bids, due December 5th. Cramp & Co., Denekla Building, Philadelphia, are figuring.

Center Square, Wilmington, Del., \$40,000. Architects, Zantzinger, Borie & Medary, S. E. corner Fifteenth and Walnut streets. Owners, Park Commissioners, City of Wilmington, Del. Grading, planting, gravel and cement

walks, stone work, lighting standards and general improvements. Plans in progress.

Residences (5), Long Beach, L. I. Architect, J. P. Kluges, 1012 Walnut street, Philadelphia. Owner, Samuel W. Groome, Long Beach, L. I. Frame and plaster, 2 stories, 20 x 38 feet, slate roof, steam heating, electric lighting. Owner taking bids. James Yates, Pleasantville, N. J.; Chas. Talbot, Long Beach, L. I., and Carman & Co., Long Beach, L. I., are figuring.

Theatre and Office Building, Providence, R. I., \$300,000. Architect, A. E. Westover, 1116 Chestnut street, Philadelphia. Owner, E. F. Albce, Providence, R. I. Brick, stone, terra cotta, steel and reinforced concrete, 4 stories, composition roof, hollow tile fireproofing, wire lath, fire escapes, roof ventilators, kalamein doors, safety treads, tile and marble work (heating, lighting and elevators reserved). Contract awarded to Warren, Moore & Co., Commercial Trust Building.

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Village School, South Newburgh, Ohio, \$25,000. Architect, W. H. Nickals, Cleveland, Ohio. Owners, Newburgh Village School Board, Newburgh, Ohio. Brick, 1 story, 53x88

feet, slate roof, maple floors (plumbing, heating, electric work reserved). Contract awarded to James H. Wells Heed Building, Philadelphia.

Jones (O), 5420 Chestnut street. R. M. Hewes (C), 710 Ranstead street. Interior alterations.

Store, 1611 Chestnut street, \$500. B. A. Davis (O), 2307 Green street. Lam Building Co. (C), 1001 Wood street. Skylights.

Dwelling, 5608 Devon street, \$700. Margaret McGuire (O), 5622 Chew street. F. C. McGuire (C). Brick, 2 stories, rear addition, 16x16 feet, hot water boiler.

Building, 203 Filbert street, \$300. John Crompton Co. (O), 203 Filbert street. Nickson-Duggan Const. Co. (C), Bailey Building. Repairs.

Dwelling, 2208 Rittenhouse street, \$1,700. J. Hopkins (O), on premises. Chas. H. S. Zebley (C), 341 South Quince street. Brick, 2 stories, addition, 12x20 feet, slag roof.

Theatre, Broad and Snyder avenue, \$1,000. Broadway Amusement Co. (O), on premises. Warder Electric Sign Co. (C), 311 W. Fortieth street, New York. Electric sign.

Storeroom, Read and Meadow streets. Franklin Eng. and Const. Co. (O and C), on premises. Cement floors.

Store, Memphis and Sixth streets, \$700. Chas. Devlin (O), 2518 Memphis street. Jos. A. Wolf (C), 2306 East Lehigh avenue. Repairs.

Store, 147 South Broad street, \$300. Broad Street Realty Co. (O), Land Title Building. Harrison Hay (C), 2016 Brown street. Stack.

Store, 3927 North Fifth street, \$1,000. H. Kievitz (O), 3929 North Tenth street. Edw. Miller (C), 2505 North Tenth street. Stone, 1 story addition, 16x25 feet, slag roof.

Dwelling, 4933 and 4935 Lincoln avenue, \$300. Earnest B. MacMain (O and C), Wilmington, Del. Repairs, fire damages.

Blacksmith shop, 6332 Woodland avenue, \$700. M. F. Dougherty (O and C), 2243 St. James Terrace. Brick, 1 story addition, 25 x50 feet, slag roof.

Washroom, Sixteenth and Hamilton streets, \$1,000. Wm. Sellers Co., Inc. (O and C), on premises. Brick, 2 stories, addition, 14x35 feet, slag roof.

Store and Office, Eleventh and Loudon sts., \$1,500. John A. Costello (O and C), 4045 N. Broad street. Brick, 1 story addition, 20x50 feet, slag roof.

Office and warehouse, Taney, south of Parrish street, \$1,000. Diehmann Pav'g Co. (O and C), 2622 Parrish street. Brick, 2 stories, addition, 20x80 feet.

Store and dwelling, 2610 Germantown avenue, \$400. E. J. Dsiner (O), on premises. George R. Dewees (C), 311 Grange avenue. Flush bulks.

Store building, 1133 Callowhill street, \$325. August Buell (O), on premises. P. A. Sosenen (C), 422 North Twelfth street. Repairs.

Store and dwelling, Ninth and Mountain street, \$500. J. Gangaum (O), Ninth and Mountain streets. H. D. Prettyman (C), 2603 South Broad street. Alterations.

Stores and offices, Broad and Girard ave-

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Philadelphia

Dwellings (2), Eastburn street, west of Limekiln pike, \$4,200. E. & W. Caulson (O and C), 2041 E. Cheltenham avenue. Brick, 2 stories, 16x42 feet, slag roof, hot water heating.

Dwellings (4), Canarroe street, \$7,200. Chas. Robinson (O and C), 632 Rex avenue. Brick, 2 stories, 14x40 feet, tin roof, hot air heating.

Dwellings (29), south side of Ashdale, from Third to Second streets, \$69,000. Clyde A. Schuler (O and C), Third and Ashdale sts. Brick, 2 stories, 16x34 feet, slag roof, hot water heating.

Office building, Lehigh avenue and Fourth street, \$50,000. Quaker City Lace Co. (O), Fourth and Lehigh avenue. Wm. Steele & Sons (C), 1600 Arch street. Brick, 5 stories, 97x97 feet, slag roof.

Laundry, St. Martin's lane and Graver, \$2,000. W. J. Sewell Estate (O), St. Martin's lane. Geo. Roth & Son (C), 230 E. Gravers lane. Hollow tile, 1 story addition, 18x21 feet, slate roof.

Garage, Fifteenth and Lindley avenue, \$2,300. Chas. Stingar (O), North Wales, Pa. Frank King (C), Fifteenth and Lindley ave. Brick, 1 story, shingle roof, 48x20 feet.

Dwellings (8), 4822-34-36 North Broad st., \$49,000. Tan Bros. (O), 4808 North Broad street. Alex. Laub (C), 1410 Rockland street. Brick, 3 stories, 17x31 feet, slag roof, hot water heating.

Dwellings (10), west of York road, Sixty-eighth avenue, \$60,000. Albert Mahon (O and C), 6720 North Broad street. Brick, 3 stories, slag roof, hot water heating, 16x60 feet.

Dwelling, 6232 North Thirteenth street, \$4,000. Weshert Hope (O and C), 5911 York road. Slate roof, hot water heating, 2 stories, 28x40 feet.

Dwellings (3), 3536-38-40 Kensington avenue, \$10,500. Isadore Finestone (O and C), 2983 Aramingo avenue. Brick, 2 stories, 14x34 feet, slag roof, hot water heating.

Factory, Reynolds and Balti streets, \$5,000. Riverside Smelting & Ref. Co. (O), on premises. Jos. Levin Co. (C), 1530 South Sixth street. Brick, 1 story, 60x100 feet.

Garages, south of Tioga, west of Kensington avenue, \$1,800. Mrs. Eckert (O), 3501 K street. Barnes Bros. (C), 2080 E. Willard street. Brick, 1 story, slag roof, 10x24 feet.

Garage, Ross, north of Upsal street, \$200. P. J. Kilallen (O and C), 3709 Milvale street. Brick, 1 story, 50x17 feet, slag roof.

Building, Water and Mifflin streets, \$7,000. Reader Bros. (O), on premises. Jos. Levin Co. (C), 1530 South Sixth street. Brick, 3 stories, 50x50 feet, slag roof.

Garages (2), Sixty-fourth and City Line avenue, \$5,000. W. R. Gans (O), 6482 Sherwood avenue. Doyle & Co. (C), 1519 Sansom street. Brick, 1 story, 18x13 feet, slate roof.

Alterations and Additions

Tool shop, 227 Green street, \$350. B. Gall (O), 624 North Third street. Otto Malz & Son (C), 2108 North Lawrence street. Brick, 1 story rear addition, 20x18 feet, slag roof.

Barber shop, 5512 Chester avenue, \$800. Jules De Waile (O), 5434 Chester avenue. Thos. Jones (C), 5113 Chester avenue. Brick, 1 story addition, 16x12 feet, slag roof.

Stores and dwellings, 623-25 South Thirteenth street, \$1,400. Patrick Hardiman (O), 1234 Christian street. F. P. Dillon (C), 1223 South Twentieth street. Alterations and repairs.

Dwelling, 703 Montrose street, \$425. Frank Wunaglia (O), on premises. Virgilio Cesosle (C), 1231 Christian street. Brick, 1 story, addition, 13x14 feet.

Factory, 1076 Frankford avenue, \$3,800. G. & H. Bannett Co. (O), 1076 Frankford ave. Frank Achuff (C), 1600 North Front street. Brick, 1 story, 14x20 feet.

Store, 1307 Market street, \$5,000. Gibson Estate (O), 1307 Market street. Vagil Cabinet Co. (C), New York. New bulk windows, repairs.

Station, 2227-29 Wood street, \$600. Frank

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nue. John F. Betz Estate (O), Commonwealth Building. Phila. Poster Adt. Co. (C), 814 Walnut street. Electric sign.

Garage, 5123 Sansom street, \$500. Geo. Scott (O), on premises. Smith-Hardican Co. (C), 1606 Cherry street. Interior alterations.

Dwelling, 3104 Wharton street, \$300. Geo. Damboski (O), on premises. Mike Cepano (C), 1114 Watkins street. Flush bulks, repairs.

Dwelling, 4150 Parrish street, \$475. Geo. Moore (O), on premises. Jos. Foster (C), Forty-second and Brown streets. Hot water heating system.

Store and dwelling, A and Wyoming ave., \$900. Acme Tea Co. (O), Fourth and Noble streets. H. B. Bausee (C), 665 North Fifteenth street. Front addition, 1 story, 16x6 feet, flush bulks.

Repair shop, 5547 Arch street, \$1,400. Harry Muller (O), 5545 Arch street. Geo. Crawl (C), 16 North Fifty-fifth street. Brick, 1 story, slag roof, skylights.

Factory, Twenty-eighth and Fletcher sts., \$600. Cohlman & Cutler (O), on premises. J. R. Wiggins (E), Heed Building. Repairs.

Stores and dwelling, 229 South Fortieth street, \$1,500. A. H. Zullinger (O), Fortieth and Locust streets. A. G. Steffen (C), 4601 Woodland avenue. Brick, 2 stories, 27x20 feet, slag roof.

Junk shop, 1721 Carpenter street, \$1,890. Alexander Disasti (O), 1404 Wharton street. Robert West (C), 8220 Buist avenue. Repair fire damage.

Store, 305 Arch street, \$2,500. Penna. Trust Co. (O), 517 Chestnut street. John Duncan (C), 920 Walnut street. Repair fire damages.

Dwelling, 807 North Twentieth street, \$950. J. McClanaghan (O), on premises. A. L. Luff (C), 700 North Nineteenth street. Interior alterations.

Dwelling, 1906 Wallace street, \$600. Minnie Stockbridge (O), 717 North Nineteenth street. A. L. Luff (C), 700 North Nineteenth street. Interior alterations.

Warehouse, 336 South Delaware avenue, \$2,600. E. J. Robinson, 107 Walnut street. Metzger — Fisher (C), 411 Denckla Building. Interior alterations.

Tenement house, 2014 Green street. Gussie Hansell (O), 2014 Green street. Pa. Losensen (C), 122 North Twelfth street. Hot water heating.

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TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 10, 1916.—Sealed proposals will be opened in this office at 3 p. m. Dec. 26, 1916, for the construction of the United States post office at Frederick, Md. Drawing and specifications may be obtained from the custodian of the site at Frederick, Md., or at this office, in the discretion of the Supervising Architect. Jos. A. Wetmore, Acting Supervising Architect.

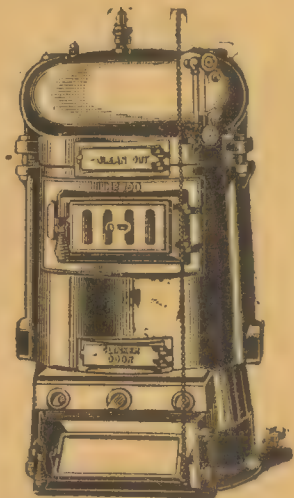
TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 10, 1916.—Sealed proposals will be received at this office until 3 p. m. December 18, 1916 and then opened for miscellaneous repairs, new roof, etc., for laundry building, Bureau Engraving and Printing, Washington, D. C., in accordance with the specification and drawings Nos. 100, 400, and 401, copies of which may be had at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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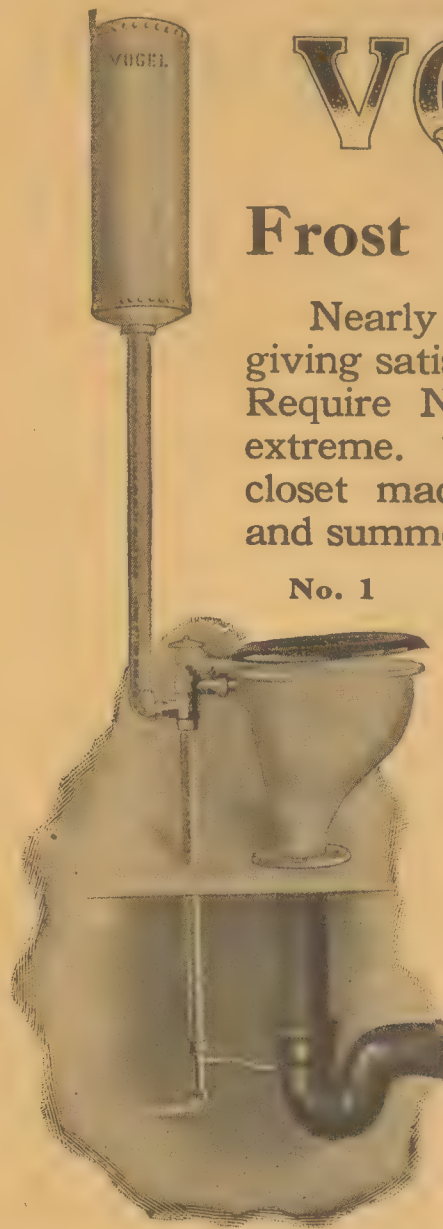
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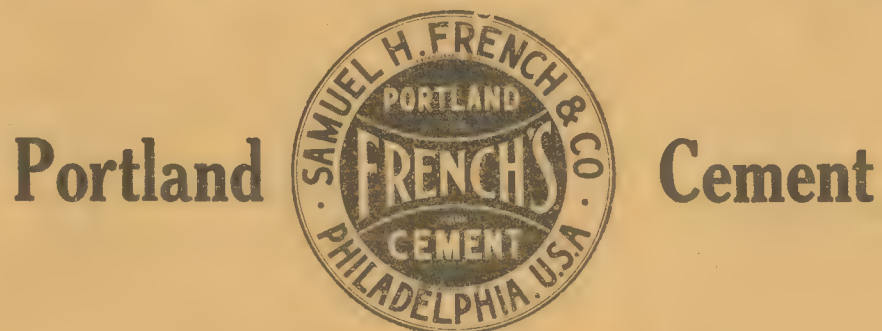
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Vol. XXXI., No. 49.

PHILADELPHIA, WEDNESDAY, DECEMBER 6, 1916.

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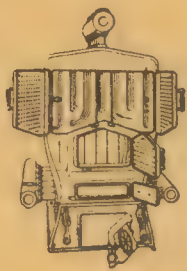
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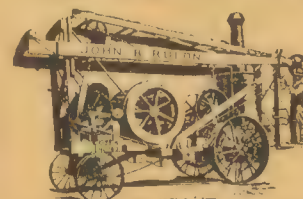
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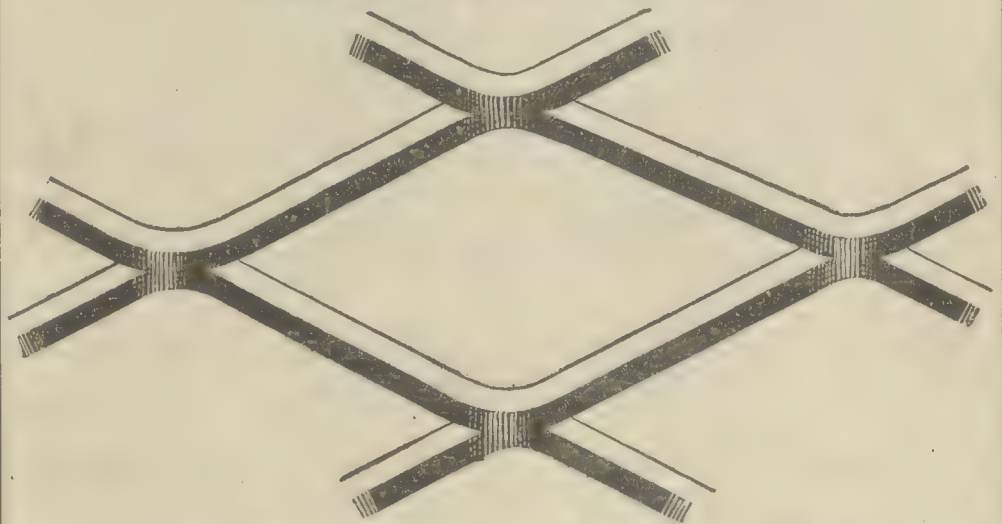
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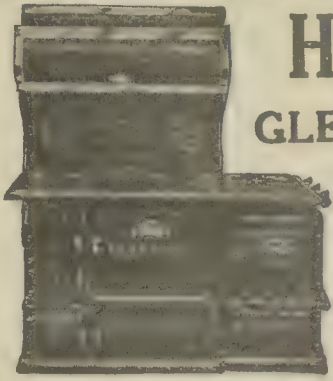
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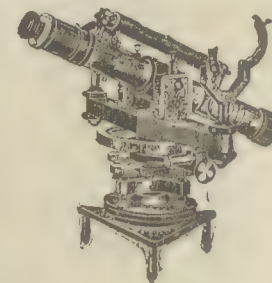
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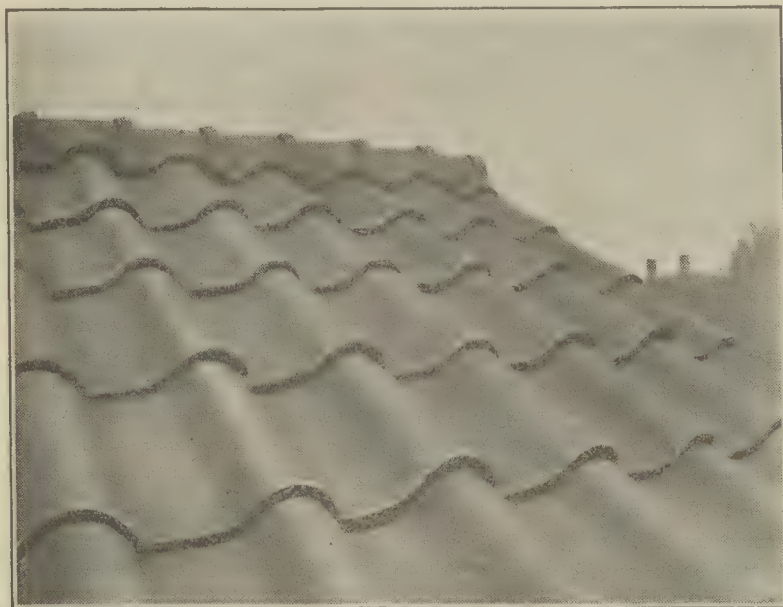
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XXXI
Number 49

PHILADELPHIA
December 6, 1916



As The Editor Sees It



THE question of the adaptability of the new standard documents, touched upon in a recent number of the *Bulletin of the Master Builders' Exchange of Philadelphia*, is the subject of another interesting communication from Mr. William B. King, of Washington, D. C., attorney for the National Association of Builders' Exchanges. This communication, featured in the November number of the *Bulletin*, we have taken leave to reprint because of the widespread interest attached to the subject throughout the building trades.

"I have very carefully considered the recent article in the *Bulletin of the Master Builders' Exchange* headed 'New Standard Documents of Architects Not in Favor,' writes Mr. King.

"The chief objection to the new documents appears to be their length as contrasted with the old Uniform Contract. They are somewhat shorter than the First Edition of the Standard Documents, though about fifteen per cent. of them is entirely new matter.

"It has been pointed out by Mr. William Stanley Parker, Vice-Chairman of the Architects' Committee on Contracts and Specifications, that this difference in length between the old Uniform Contract and the new edition of the Standard Documents is more apparent than real. He says in an article which appeared in the *Institute Journal* of July, 1915:

"The Uniform Contract, however, has a distinct defect in that it omits a large number of general conditions, many of which are quite as important as those included. It has been the custom, therefore, for each architect to draft a set of general conditions, as part of his specifications, thus creating a double set of general conditions, with the inevitable opportunity for duplication and discrepancy."

THERE is a distinct advantage in having varying conditions made in each architect's office. It is much better to have all the conditions embodied in Standard Documents with which architects and builders may become familiar.

A good many years ago, when I had not as much experience in drawing contracts and other legal papers as I have now, I was discussing with a United States judge of some thirty years' experience in construing written instruments the drafting of a certain paper for use in his court. He asked me why I had struck out a number of words from it. I said that it was in the interest of brevity: He said to me: "Mr. King, do not make that mistake in drawing legal papers. An effort to be brief is the source of uncertainty, risk and ultimate litigation. The first paper of a legal paper is to be clear and certain. You must avoid unnecessary verbosity but you should use enough words to express exactly everything needed for your purpose." I have often thought over these words and have long since reached the conclusion that he was absolutely correct and that the greatest possible danger in drawing a contract is to try to make it too short.

It has often been said that it is the duty of a lawyer in preparing a contract to try to anticipate every possible contingency and protect the parties in advance against difficulties arising from things which would be unforeseen by them. If this be true in regard to a contract drawn for one particular occasion between two parties and never to be used again, it is much more true where the effort is to draw a set of conditions which are to be used in thousands of contracts all over the country for many years.

WHEN the Builders' Committee and the Architects' Committee met together to prepare a new set of Standard Contract Documents, I presented these views, but architects and builders declared that they were wrong and that from a practical standpoint the documents should be brief. The documents were under discussion for months and every effort was made to be brief, but in the end it was found that exactness and completeness were more important than brevity. The effort was to make everything as certain as carefully studied words could make it and to include all reasonable contingencies even if this sacrificed brevity. Yet every phrase was considered with a view to omitting unnecessary words. I doubt whether the same ideas can be expressed with substantially greater compression without sacrificing exactness of meaning. Even as it is, very many things were proposed and excluded because they would necessarily expand the documents to too great length.

One of the greatest differences between the old Uniform Contract and the new Standard Documents is that the latter provide expressly for contingencies which were not provided in the former. The Uniform Contract left much to custom or to verbal understanding or misunderstanding which the new form reduces to definite and exact statement.

It is far easier to use a general phrase which has no definite meaning when it comes to a test than it is to write a series of stipulations which will be found to cover the subject when controversy arises over them. But the former invites, and the latter prevents, controversy.

* * *

IT may be that a fair and financially responsible owner, a fair, capable and financially responsible contractor and a fair and capable architect can

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safely get along with a very short contract, provided it is reasonably profitable and no unusual conditions arise. The chance of uncertainty, dispute and litigation comes when the contractor is losing money on the job; when the owner is disposed to be unfair; when the architect is one-sided in his views; and when unexpected contingencies arise. There the protection of an exactly expressed contract means much to all parties. I believe that the objection based merely on length will disappear as the documents become better known.

The article in the *Bulletin* adds a specific objection,—that under the new Standard Documents the contractor may be required by the architect to do much extra work for which the owner can repudiate the responsibility. There is a radical difference between the two documents in this respect. Article III of the old Uniform Contract provides for the written order of the architect in making alterations. This implies that the architect has authority to order changes and extras.

The new documents, par. 24, permit changes only by the express authority of the owner and Article 9 limits the authority of the architect to that expressly conferred on him. In this respect, the new Standard Documents are the same as the first edition of the Standard Documents, which proved for an order for extra work "from the owner or from the architect, acting under the authorization of the owner."

I first supposed on behalf of the builders that the architects should have authority to order changes, but the architects objected to such a provision. They said that the owner would not desire to give such authority, particularly in large work, and that the architect would not wish to exercise it and that no items involving extra cost should be put into the building unless the owner himself authorized them. The new agreement, therefore, does not put the contractor in the position of making nonchanges involving extra cost unless he has authority from the owner. There is no ambiguity or uncertainty whatever about the provision. The architect must produce an order from the owner or the contractor must not do any extra work. It does not seem to be very material to the contractor whether the architect or the owner is to authorize the extra work, so long as the proper authority is clearly defined.

Perhaps it is as well for me to point out a few of the advantages to the contractor which the new contract possesses over the old Uniform Contract.

ARTICLE II of the Uniform Contract makes the decision of the architect as to the true construction and meaning of the drawings and specifications final. The architect makes these drawings and specifications and the contractor reads them over and understands their meaning from the words used in their common significance. He signs the contract with this in mind, but finds, upon doing the work, that he has not agreed to do what these drawings and specifications mean to him or any other contractor but what the architect says that they meant to him when he drew them.

Under Article 10 of the new form, the architect is to make decisions upon the meaning of the drawings and specifications, but all his decisions, unless expressly excepted, are subject to arbitration. Many a contractor has lost what was his just due because of the clause above quoted.

Article II of the old Uniform Contract next provides that the contractor is to conform to additional drawings and explanations so far as "consistent with the purpose and intent of the original drawings and specifications." That gives an extremely wide margin for work which the contractor never could guess he was to do from the original drawings and specifications. The new articles provide that additional drawings and instructions must be "true developments" of the original drawings and specifications and "reasonably inferable therefrom." There is a great difference between the additional requirements being "consistent" with the original drawings and their being "inferable from them." In the one case, the contractor is obliged to do anything which is not contradictory to the original: in the other, he cannot be required to do anything unless there was something in the original drawings that notified him that such might be required. Then, too, the Uniform Contract makes the architect, as we have seen, the final judge as to such matters.

* * *

ARTICLE IV of the old Uniform Contract provides for condemnation of unsound work by the architect, but there is no provision for arbitration on this question, as there is under the new Standard Documents.

Under Article V of the old Uniform Contract, if the contractor does not proceed promptly, the owner may provide labor or materials and deduct the cost from the contractor's balance and the owner may terminate the employment of the contractor upon the architect's certificate.

The expense thus incurred by the

owner has to be audited and certified by the architect, whose certificate is to be conclusive upon the parties. There is no provision at all for arbitration on this subject, but the builder is left entirely to the architect's discretion. The new forms provide for arbitration of this, as of all other matters.

Article IX of the old Uniform Contract and Article 21 of the new both require the owner to take out fire insurance for the benefit of all concerned, but the old form does not say how the contractor is to protect himself from insufficient insurance. The new form says that the owner must submit his policies to the contractor for inspection and gives the contractor the right, if the insurance is not sufficient, to protect himself by further insurance and charge this to the contractor, or, if the owner has failed to maintain insurance, it is expressly stated that the contractor may recover his fire loss from the owner. No one will deny the superiority of these provisions over those in the old contract.

Article IX of the old Uniform Contract provides for payments by the owner to the contractor in instalments as the building progresses, but does not fix the duty of promptness upon the architect or provide a penalty for failure to pay promptly on the part of the contractor. Articles 27 and 38 of the new form declare it the architect's duty to issue certificates immediately when due and the owner is to pay them at once. If he does not, he must pay interest and if payment is postponed for seven days, the contractor may stop work or throw up the contract and may recover damages from the owner.

* * *

THERE are in the new documents a number of provisions not the subject of consideration at all in the older ones. Thus Article 3 provides for a schedule by the contractor and the architect fixing dates for the detail drawings and the architect is obliged to furnish them in accordance with that schedule. Similarly, the contractor must furnish a schedule of the dates of submitting shop drawings, of manufacturing and installing materials and of completing various parts of the work. All these things fix the obligations of the contractor and the architect very strictly in such a way that the work can be carried on in a business-like manner.

Article 4 requires the architect to furnish all the drawings and specifications reasonably necessary for the work without charge to the contractor,—a matter about which there have been many disputes in building.

Article 18 makes provision for emergencies affecting the safety of life or

adjoining property and says what each party may or can do under these circumstances,—a very necessary provision for unforeseen conditions.

* * *

THERE is nothing in the old Uniform Contract providing for the mutual responsibility of separate contractors. This is a difficult subject, often involving controversy. In Articles 40 and 41 of the new form it is fully dealt with in a way that is believed to be fair to all parties. The old form says nothing whatever about sub-contractors, whether they shall be permitted at all; whether the owner or the architect shall have choice in setting them; whether the sub-contractors shall bind themselves to do the work in accordance with the contract; or how they shall be paid. Nothing can make more trouble

on a building than differences with sub-contractors and it is of the utmost importance to the progress of building that that their responsibility should be definitely known and their right to pay definitely fixed. This whole matter was submitted to the National Association of Builders' Exchanges at its convention in Columbus, in 1915, and provision in regard to sub-contractors were inserted in compliance with resolutions adopted at that convention.

* * *

IT will be noted that Mr. King favors the new Standard Document as in many and essential ways an improvement over the old. The work of the new documents becomes more apparent," comments Mr. King, "by more careful study and the difficulty of understanding all their provisions will grow less as they are more widely adopted and used."

EDITORIAL NOTES

Though Prof. Paul P. Cret has been engaged with the French troops in the Somme drive, he is "still in possession of all his members," and is in high spirits, according to a letter written on November 5 to his friend and business associate, Albert Kelsey, of this city. "There were terrible days and dangerous days," says Professor Cret in the letter which was received by Mr. Kelsey, and he adds:

"I am sensible of the good opinion that you have, in common with your compatriots, of the effectiveness of our work here. It is a crisis which leaves but few unaffected and which, unfortunately, will not cease with the ending of hostilities. The convalescence will be as dangerous as the disease itself. A multitude of difficulties will present themselves which we ignore now for more urgent matters, but, as your proverb goes, it will be time enough to cross that bridge when we get to it."

Professor Cret left the University of Pennsylvania when the war began and comments on a clipping which referred to him as "Dr. Cret," saying: "When I was a 'Doc' seems long ago."

Professor Cret has seen all sorts of service, and when not in the trenches he is engaged in drawing military maps. These are made from aeroplane photos, which show how the country has been honey-combed by the craters made by big shells. One of these photos, which he sent to Mr. Kelsey, shows the ruins of the town of St. Quentin and a harrowing section of "No Man's Land" between the lines of trenches.

An industrial safety congress has been arranged by the Industrial Commission of New York State, to be held in Syracuse, December 11-14, 1916. The sessions will be held at the Hotel Onondaga. Experts on fire prevention, factory sanitation, safeguarding of machinery, and on other factors entering into industrial safety will be among the speakers. Illustrated lectures by the National Safety Council and the American Museum of Safety will furnish the evening features.

* * *

Boiler and radiator prices were advanced 5 per cent. on October 2d. This follows a previous advance announced on September 25th. It is stated that there is no certainty that further advances in the selling prices will not be necessary.

* * *

New York has been chosen as the place for holding the next "National Complete Building Exposition," the dates being March 5-11, 1917. The exposition will be held in the Grand Central Palace. This will be the second exposition of its kind, the first having been held in Cleveland, O., last February and backed only by local interests. Intended to educate the man-about-to-build, its promoters quickly learned that its first task was to educate the manufacturer and building supply dealer to the wisdom of exhibiting their wares. The New York Exposition, it is stated, while giving quite as much attention to the home building feature, will be broader and more comprehensive in its scope, dealing with the problems of the public and com-

mercial buildings. The offices of the exposition are in the Cuyahoga Building, Cleveland, O.

* * *

J. L. Mott Iron Works, New York, announces that R. K. Bowman has been elected first vice-president and general manager of the company. Mr. Bowman was for many years located at the new company's plant at Trenton, N. J.

* * *

Plans are under way for a permanent building exhibit by the Atlanta, Ga., Builders' Exchange. While the plan is still embryonic, a committee has been appointed by President C. W. Bernhardt to investigate the various angles of the undertaking.

* * *

The most modern and scientifically perfect system of ventilation and illumination will be used in Philadelphia's subways if the provision contained in the transit ordinance introduced by Mayor Smith in council and approved by that body is incorporated in the lease between the city and operating company. The motion of the trains in the Philadelphia subways is usually sufficient to provide the necessary ventilation, provided there are enough air ducts leading to the outside air. In the city's new subways, however, this natural system of ventilation is to be supplemented by motor-driven exhaust fans and motor-driven blowers.

* * *

Real estate experts believe that New York City is confronted by the most ser-

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ious situation in its history. This is due to the adoption by the Board of Estimate of a zoning and height restricting resolution. Edward P. Doyle, vice-president of the Realty Notice Corporation, who pays \$8,000,000 annually for taxes on 327 parcels of land valued at more than \$40,000,000, is preparing papers to demand a substantial reduction in valuation on each parcel. He asserts that 40 per cent. of land value has been taken away in a majority of instances without any compensating features in sight.

* * *

Harvard Engineering Society of New York will hold its ten annual dinner at the Harvard Club, December 7th. President A. Lawrence Lowell and W. S. Kies, vice-president, American International Corporation, will be among the speakers.

* * *

Webster J. Oliver, who for the past four years has been a member of the law firm of Oliver & McNevin, New York, has given up that connection to associate himself with Hogan & Son, Steel merchants of New York and Philadelphia. For nearly ten years before taking up the law Mr. Oliver was connected with the Oliver Brothers Purchasing Co., New York and Pittsburgh.

* * *

Arthur W. Dean, chief engineer of the Massachusetts Highways Commission, has been elected president of the American Road Builders' Association. William H. Connell, chief of the Bureau of Highways of Philadelphia, was elected first vice-president; Austin B. Fletcher, State highway engineer of California, second vice-president; E. L. Bowers, editor of Good Roads, secretary, and W. W. Crosby, of Baltimore, treasurer.

* * *

Sargent & Co. announce a further general advance of 10 per cent. in their products, immediately effective. This increase embraces generally all items in their Catalog 1065 New, except door checks, advanced November 1st, planes and squares. New prices will be issued in the near future. All orders will be executed by Sargent & Co. at prices ruling when orders are received. The Stanley Works announce that because of the scarcity of material and increased cost, prices on goods of their manufacture have been advanced approximately 10 per cent. Prices heretofore issued have been withdrawn and new ones will be sent out as soon as possible.

* * *

The current quotations for structural steel fabricated and erected ranges from \$85 to \$90 a ton. Few jobs have been taken of late under \$90 a ton, and some fabricators are asking \$100 a ton erected.

Producers are again advancing the price of plan material, notably the Carnegie Steel Company, which has raised its schedule from 2.80 cents to 3 cents a pound.

* * *

A tour of the State by a committee of Bryn Mawr alumnae, detecting fire hazards, resulted today in a resolution being passed by the State Department of Labor and Industry ordering a special inspection of mills and factories with reference to fire hazards. Philadelphia will not be affected, as first and second class cities are exempt. The board also authorized William Young, one of the members, to draft a tentative safety code for the printing industry.

* * *

All previous records of gross earnings by the Pennsylvania Railroad system, are again surpassed by the result for October and also that for ten months of this year. The figures issued are enormous—\$39,091,704 for the month,

being an increase of \$3,119,931 as compared with October 1915. For ten months the total was \$368,464,227, or within \$6,500,000 of as much as the system gross for the whole of last year, and for the ten months period an increase of \$65,543,472.

* * *

The country's incorporations in November involved capitalization of \$275,668,000. This compared with \$243,667,200 a year ago. Companies in eastern cities with capital of \$1,000,000 or more, contributed \$206,407,000 of last month's aggregate. Of this Pennsylvania supplied only \$2,000,000; Delaware, \$133,185,000. The impressive point brought out by the returns was that practically all lines of industry were represented showing the wide scope of existing prosperity. For the eleven months the incorporations of \$1,000,000 companies in Eastern States called for \$2,447,476,500 against \$1,291,142,100 the same period of 1915.

THE RELATIONS BETWEEN THE ARCHITECT AND THE MASTER STEAM FITTER.

By D. Knickerbacker Boyd.

(From an address before the National Association of Master Steam and Hot Water Fitters.)

In the matter of direct letting of contracts, I have read all the literature on the subject, including your own "Report on the Evils of Sub-contracting." I can subscribe to the principal objections which you raise because I know that these evils have existed, but you must not condemn all general contractors. And, after all, what you are aiming to change, it seems to me, is not so much the sub-contracting evil as the sub-estimating principle.

I personally feel that too much stress has been laid on the sub-contracting evil without due regard to any perfectly feasible plan of controlling the estimating. Perhaps you have found this method the means of most quickly checking an abuse rather than the slower process of education.

All branches of the building trades have suffered alike from the "farming" and "huckstering" of sub-estimates and dickering with sub-contractors which is practised by some, but by no means all, general contractors. Sub-contractors who allow themselves to take part in this are equally at fault.

When work is awarded under one general contract, architects can help all the trades and very largely control the whole situation by requiring that a complete list of all sub-contractors be submitted with the estimate, the same to be subject to the approval of the architect and not to be changed without consent after the contract is awarded.

In my practice we invariably do this, to

protect all interests and insure a selection of capable men. But in the case of heating we practically always take the estimates direct, and, whenever possible, do the same with plumbing. We turn over the lowest of these to the general contractors, who estimate with the understanding that they must accept them as sub-contractors' bids if they want the contract.

This gives us the opportunity to carefully select the bidders—a most important consideration. Only the men we deem best qualified to do work of the kind and size in hand are asked, and the number limited to from three to five. This is quite sufficient. Others should not importune for the privilege and so lessen their prestige. Architects should be resolute and not allow any one to estimate who does not do the high grade of work as those selected. This will save disappointments and insure to all an equal chance on the basis of good work. Under these favorable conditions the lowest figure should prevail in the award. Under general and open competitive bidding the low estimate is often to be regarded with suspicion.

In selecting those to whom they will entrust the work, architects ought to inquire and know whether they have the respect and confidence of their associates, as well as whether they are members of their respective associations. In this way architects can help to con-

(Continued on page 807.)

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Club House (add.), Carpenter and Emlen streets, Germantown, \$25,000. Architect, Richard C. Loos, 1017 Chestnut street, Philadelphia. Owners, Automobile Club of Germantown, on premises. Stone, 2 stories, 75x170 feet, slag or slate roof, steam heating, electric lighting, oak floors, metal lath, tile work. Plans in progress. Owners will take bids in about three weeks.

Residences (9), Stenton and Sixty-fifth avenues, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Henry Parker, Fischer land and Sydenham street. Brick, stone and stucco, 2 stories, 15x42 feet, 18x34 feet, and irregular sizes, slag roof, hot water heating, hardwood floors. Owners taking sub-bids on all lines.

Group of Buildings, Front and Federal sts., Philadelphia. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Penna. Railroad Co., Broad Street Station. Brick, steel, concrete, plaster, corrugated iron, wagon shed office, yards clerks office, car inspectors building, carpenter shop and scale office and tool house, tile, tin and slag roof, steam heat, electric lighting, cement, composition and wood floors, metal lath, waterproofing, ventilators. Lowest bids submitted, Turner Concrete Steel Co., \$39,185; Harry Gill, Jr., \$40,789; John N. Gill & Co., \$41,530.

Factory (alt.), Third and Wood streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Janney & Burrough, on premises. Brick and concrete, new elevator shaft, plumbing, skylights, cement floors, ventilators, (heating, electric work reserved by owners). Architects have received bids.

Machine shop, Delaware avenue and Mifflin street, Philadelphia. Architect, private plans. Owners, David Berg Distilling Co., Delaware avenue and Tasker street. Brick and concrete, 1 story, 50x84 feet, slag roof, plank floors, metal lath, fire doors, rolling steel shutters. Owners have received bids.

Office Building (add.), Fifteenth and Race streets, Philadelphia. Architects, Marshall & Fox, 700 Lincoln Driveway, Chicago, Ill. Owners, Publication & Sunday School Board of the Reformed Church of the United States, care Dr. Rufus W. Miller, secretary. Brick, steel and concrete, fireproof, 12 stories, 7 stories, 114x88 feet, and 5 stories, 120x116 feet, slag roof, steam heating, electric lighting, waterproofing, elevators, tile and marble work. Architects taking bids. Cramp & Co., Denckla Building, Philadelphia, are figuring.

Store Building, 716 North Broad street, Philadelphia. Architect, Frank E. Hahn, 908 Chestnut street, Philadelphia. Owner, Wm. Stellwag, 702 North Broad street, Philadelphia. Consists of alterations to first floor, new hot water heating, electric lighting, new floors, new front, etc. Architect taking bids, due December 6th. The following are figuring: E. E. Hollenbach, Fifteenth and Race streets; Jos. F. Myers & Co., 1237 Ridge avenue; Ira K. Davis, 3020 North Twenty-fourth street; H. H. Wehmeyer, 1004 Lehigh avenue; P. Haibach Cont. Co., Twenty-sixth and Thompson street; Chas. H. Fischer, 3654 N. Mervine street; Henry P. Schneider, 3713 Old York road.

Service Station, southwest corner Fortieth

and Walnut streets, Philadelphia. Architect, W. G. Wilkins, Pittsburgh, Pa. Owners, Atlantic Refining Co., 3144 Passyunk avenue, Philadelphia. Terra cotta, 1 story, slate roof. Plans in progress. Too early for details.

Playgrounds (5), Twenty-fourth and Jackson streets, Sixth and Christian streets, Whitehall Commons, Shirley and Francis sts., and Cedar and Cambria streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, room 587, City Hall. Shelter buildings, 1 story, frame, 24x42 feet, asbestos shingle roof, cement floors (plumbing separate bids) swimming pool, iron fences and gates, cement walks, grading and surfacing. Owners taking bids, due December 6th. W. W. Anstine & Co., 1218 Filbert street; P. H. Sax, Heed Building; and Wm. Mundy, 228 South Alder street, are figuring.

Factory, Loudon and Stenton avenues, Philadelphia. Architect, not yet selected. Owners, American metal works, Armat and Hiskell streets, Germantown. Brick, 4 stories. Details not decided.

Garage (alt. and add.), 5936 Greene street, Germantown. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Dr. Robert Perry Cummins, on premises. Brick, consists of new front, 1 story. Architects have received bids.

Warehouse, McKean and Swanson streets, Philadelphia. Architect, Copeland Furber, 418 Walnut street, Philadelphia. Owners, India Refining Co., McKean and Swanson sts. Brick, 1 story. Plans in progress. Too early for details.

Factory, southeast corner Front and Allen streets, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, name withheld. Brick, slow burning. 4 stories, 33x120 feet steam heating, electric lighting, metal sash, fire doors (heating reserved). Plans in progress. Will be ready for bids in ten days.

Stores (10) and Apartment (1), Garage, Sixtieth and Larchwood avenue. Architect, private plans. Owners, Edinger & Bobb, 5916 Webster street, Philadelphia. Brick, 35x200 feet, slag roof, hot water heating, hardwood floors, electric lighting. Owners taking sub-bids on all lines.

Business Building, 330 South street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Jacob Edelstein, northwest corner Fourth and Morris streets, Philadelphia. Brick, 3 stories, 13x52 feet, slag roof, hot water heating, electric lighting, tile and marble work, metal ceilings. Owner will take sub-bids in about one week.

Post Office (alts.), Ninth and Chestnut sts., Philadelphia. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Consists of interior alterations, metal lath, tile work, dumb waiter (plumbing and heating separate bids). Lowest bidders, E. F. Fonder, Land Title Building, \$28,278; Charles McCaul Co., 1715 Sansom street, \$29,969; Alex. Chambley, 1329 Arch street, \$29,990.

Hotel (add.), northeast corner Broad and Spruce streets, Philadelphia. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owners, Hotel Stenton, on premises.

Brick and steel, hollow tile, reinforced concrete and terra cotta, 20 stories, 30x117 feet, slag roof, steam heating, electric lighting, cement floors, elevators, waterproofing, fire doors, tile and marble work. Architect taking sub-bids.

Factory (add.), Frankford, Philadelphia. Architects, Sheen & Gill, Heed Building, Philadelphia. Owner, James Gibbon, care of architect. Brick, 2 stories, 27x56 feet, slag roof, electric lighting, maple floors. Revised plans nearly completed. Architects will take sub-bids in a few days.

Factory and Boiler House, Stenton avenue and Philadelphia and Reading Railroad, Wayne Junction, Philadelphia. Architect, private plans. Owners, Ferguson Carpet Co., Wayne avenue and Philadelphia and Reading Railroad. Brick and reinforced concrete, 1 story, 65x281 feet, slag roof, steam heating, electric lighting, cement floors, metal sash, steel and fire doors sprinklers, asphalt paving. Owners taking bids, due December 7th. The following are figuring: Roydhouse-Arey Co., 112 North Broad street; H. E. Baton, Twelfth and Sansom streets; F. W. Van Loon, Denckla Building; Turner Concrete Steel Co., 1713 Sansom street.

Loft Building, Front and Poplar streets, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, Morris Weil, 837 North Third street, Philadelphia. Brick, 5 stories, 65x155 feet, reinforced concrete, stone, slag roof (heating reserved), electric lighting, elevator, fire doors, fire towers, sprinkler system, waterproofing. Owner taking sub-bids on all lines.

Garage and Office, coal yard, Fourth and Allegheny avenue, Philadelphia. Architect, private plans. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Brick, 1 and 2 stories, 20x43 feet, tin and slag roof, hot water heating, electric lighting, metal lath, pine and cement floors. Owners taking bids, due December 11th. The following are figuring: Thomas C. Trafford, 1613 Sansom street; Hogg Const. Co., 1634 Sansom street; John V. Speth & Co., 1714 Sansom street; Bailey Lush Co., 201 North Broad street; John N. Gill & Co., Heed Building; Irwin & Leighton, 126 North Twelfth street; F. W. VVan Loon, Denckla Building; Metzger & Fisher, Denckla Building; H. E. Baton, Twelfth and Sansom streets; A. L. Carhart, Hale Building; Armstrong & Latta, Land Title Building, and F. A. Havens & Co., 345 North Nineteenth street.

Playgrounds (5), Twenty-fourth and Jackson streets, Sixth and Christian streets, Whitehall Commons, Shirley and Francis streets and Cedar and Cambria. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Room 587, City Hall Shelter Buildings, 1 story, frame, 24x42 feet, asbestos shingle roof, cement floors (plumbing separate bids), swimming pool, iron fences and gates, cement walks, grading and surfacing. Owners taking bids, due December 6th. In addition to those reported, James Connor, 1317 Arch st.; Mitchell Bros., 2125 Race street; M. & J. B. McHugh, 892 North Markoe street; George Dobbin, 8341 Germantown avenue; H. E. Baten, Twelfth and Sansom streets; E. C. Durell, Philadelphia.

Service Building, 1214 North Broad street,

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Philadelphia. Architect, LeRoy B. Rothschild, Bulletin Building, Philadelphia. Owners, Kahn & Greenberg, Morris Building, Philadelphia. Stone, brick and steel, 4 stories, 30x160 feet, slag roof, steam heating, electric

lighting, metal lath, tile work, cement, maple and oak floors terrazzo work. Revised plans in progress. Architect and owners ready for sub-bids in ten days.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Recreation Building, Sixteenth and Wyoming streets, Philadelphia, \$9,400. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Education, City Hall. Frame, 1 story, 42 x24 feet, asbestos shingle roof, proposal bond (electric work separate bids). Contract awarded to P. M. Sax, Heed Building, Philadelphia.

Church, Fifty-seventh and Baltimore avenue, Philadelphia, \$90,000. Architects, E. E. Hendrickson & Day & Klauder, 925 Chestnut street. Owners, P. E. Church of the Epiphany, Sherwood, Rev. W. W. Parker. Stone, 1 story, 40x105 feet, slate roof, steam heating, electric lighting cabinet work. Contract awarded to F. E. Wallace, 1220 Chancellor street, Philadelphia.

Stable and Wagon Shed, Twenty-ninth and Grays Ferry road, Philadelphia, \$9,000. Architects, Bissell & Sinkler, 1218 Chestnut street, Philadelphia. Owners, Henry Bower Chemical Mfg. Co., on premises. Brick, 2 stories, 27x95 feet, J-M asbestos roof, pine, cement and cork brick floors, compo-board. Contract awarded to Horace H. Burrell, 206 South Quince street, Philadelphia.

Store (alt. and add.), 8524 Germantown avenue, \$3,900. Architect, Hubert Stees, care J. Fletcher Street, 129 South Fifth street. Owner, Peter Bromley, on premises. Brick, 2 stories, 75x20 feet, slag roof, hot water heating. Contract awarded to John E. Walt, 204 E. Willow Grove avenue.

Bungalow, Montgomery avenue and Linden street, Hatboro, Pa. Architect, Albert F. Schenk, 1232 Real Estate Trust Building. Owner, Wm. H. McLaughlin, care architect. Frame, 2 stories, 26x41 feet, shingle roof, warm air heating, oak and pine floors electric lighting. Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

Garage and Apartments (alt. and add.), 703

North Nineteenth street, Philadelphia. Architect, F. T. Uezzell, 147 North Third street, Philadelphia. Owner, W. A. Dunlap, 701 North Nineteenth street, Philadelphia. Consists of general interior alterations, rear addition, brick, 1 story, 16x60 feet, slag roof, cement floors, electric lighting, hot water heating. Contract awarded to Wilbur Warren, 1336 McKean street, Philadelphia.

Warehouse, 112-116 Race street, Philadelphia, \$6,000. Architect, private plans. Owners, Terminal Warehouse and Transfer Co., Delaware avenue and Green street, Philadelphia. Brick, 2 stories, 40x70 feet, slag roof, rolling steel doors. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

Store (alts.), 703 West Girard avenue, Philadelphia. Architect, private plans. Owner, S. Goldstein, on premises. Consists of interior alterations, new partitions, etc. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Store, 1525 Chestnut street, Philadelphia, \$125,000. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, A. Pomerantz & Co., 34 South Fifteenth street, Philadelphia. Limestone, brick, terra cotta and reinforced concrete, 6 stories, 22x164 feet, slag roof, oak and maple floors, metal lath and sash, metal casements, waterproofing, fire doors, marble work (plumbing, heating, electric lighting, store fixtures, elevators, decorating reserved). Contract awarded to Warren, Moore Co., Commercial Trust Building, Philadelphia.

Sanitarium (add.), Germantown avenue and City Line, \$2,500. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owners, Bella Vista Sanitarium, care of Dr. H. L. Randall, on premises. Stone, 2 stories, 24x27 feet, slate roof, electric lighting. Contract awarded to Henry P. Schneider, 3713 Old York road, Philadelphia.

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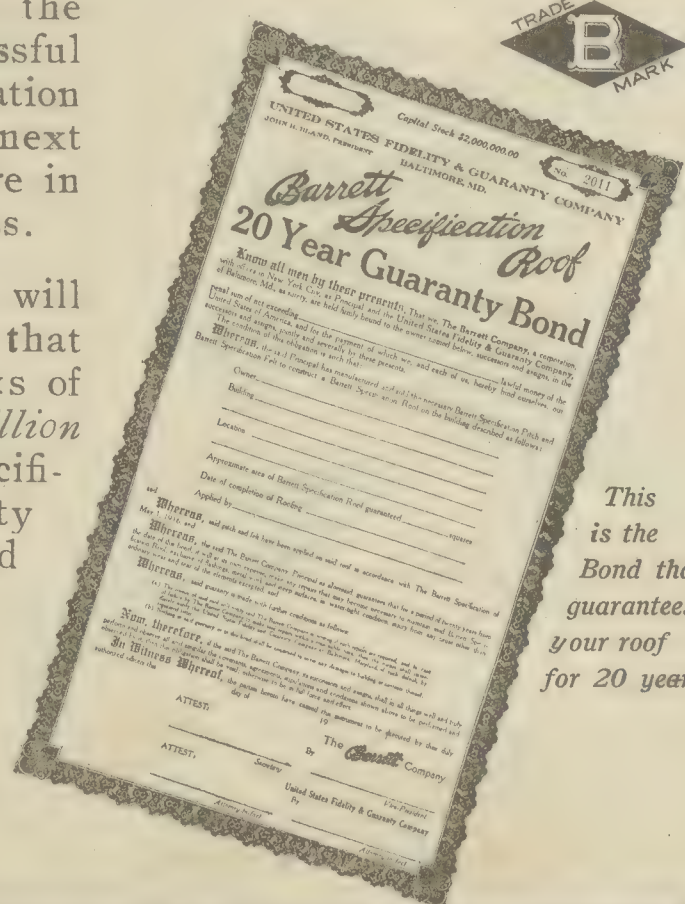
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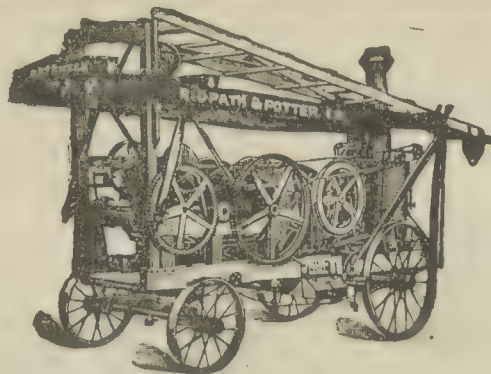


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PENNSYLVANIA Construction News

Formal Gardens and Studio, Abington, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, W. E. Hering, 112 North Twelfth street, Philadelphia. Stone (studio), 1 story, 38x28 feet, tile roof, reinforced concrete swimming pool, stone work. Architect taking bids, due December 7th. Warren-Moore & Co., Commercial Trust Building; Geo. F. Payne & Co., 401 South Juniper street; M. W. Young, Overbrook, Pa.; and E. D. Lever, Abington, Pa., are figuring.

Residence, Ardmore, Pa., \$12,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner name withheld. Brick, 2½ stories, 30x45 feet, slate or shingle roof, wing 20x25 feet, hot water heating, electric lighting, hardwood floors. Will take bids in about one week.

Residence (alt. and add.), Providence road, Edgmont, Pa. Architects, Furness, Evans & Co., and Jos. P. Sims, Franklin Bank Building. Owner, E. Lowber Stokes, 104 South Fifth street, Philadelphia. Stone and frame, 2 additional stories, 12x12 feet, shingle and slag roof, pine floors (plumbing and heating reserved). Architects have received bids.

Fire House, Hyde Park, Scranton, Pa., \$12,000. Architects, Duckworth Bros., Coal Exchange-Building, Scranton, Pa. Owners, City of Scranton, care architects. Frame and stucco, 2½ stories, 18x76 feet, shingle roof, steam heating, electric lighting, metal lath, waterproofing, reinforced concrete floors, gasoline storage system. Architects taking bids. Palumbo & Kraft, Fred E. Sykes & Son, Alsbaugh Bros., 309 N. Brown street; A. Kerney, 1440 Penn street; Stender Bros., 890 Providence road; Edw. Hughes, 309 S. Main ave.; L. T. Stipp, 1222 Union Building; Frank Nichter, Jr., all of Scranton, Pa., are figuring.

Church, Taylor avenue and Gibson street, Scranton, Pa., \$50,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners Roman Catholic Church, Rev. Michael J. Hoban, Scranton, Pa. Stone, brick and steel, 1½ stories, 60x130 feet, slate roof, steam heating, electric lighting, waterproofing. Revised plans in progress. Will take bids in one month.

School, Exeter Borough, Luzerne County, Pa., \$35,000. Architect, J. J. Mowley, Traders Bank Building, Scranton, Pa. Owners, School District, Luzerne, Pa. Brick, 2 stories, 90x70 feet, asbestos roof, steam heating, electric lighting, waterproofing, blackboards. Architect taking bids, due December 19th.

Parochial School, Avoca, Pa., \$25,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, Rev. M. F. Grano, Avoca, Pa. Brick, stone trimmings, 2 stories, 50x100 feet, slate roof, steam heating, electric lighting. Architect taking bids, due December 15th. Peter Stipp, People's Bank Building; Colombo Kroft, Real Estate Exchange

Building; A. A. Carney, and Louis Caputo, South Main street, all of Scranton, are figuring.

Residence, Haverford, Pa., \$10,000. Architects, Tilden & Register, 1713 Sansom street, Philadelphia. Owner, Robert O. Clothier, Haverford, Pa. Brick, 2½ stories, 40x26 feet, shingle roof, vapor-vacuum heating, electric lighting, hardwood floors (heating and electrical work reserved). Architects taking bids due December 11th. The following are figuring: Graham-Campion Co., Heed Building; Elfret & Co., 1708 Sansom street; Specht & Sperry, Heed Building; R. H. Howe's Const. Co., Witherspoon Building; E. R. Hall & Bro., 34 South Seventeenth street; Jas. B. Flounders, 1329 Arch street, and F. B. Davis, 240 North Sixteenth street, Philadelphia.

Passenger Station, Platform, Shelter, Stair Enclosures and Baggage Elevator, Freeport, Pa. Engineer, A. C. Shand, C. E., Broad St. Station, Philadelphia. Owners, Penna. RR. Co., Broad St. Station, Philadelphia. Brick, steel, terra cotta, 2 stories, 114x40 feet, green tile and slag roof tile floors, electric lighting, steam heating, composition and cement floors, marble work, waterproofing, skylights. Owners taking bids due December 15th. The following are figuring: A. King & Son, Freeport, Pa.; Irwin & Leighton, 126 North Twelfth st.; Roydhouse-Arey Co., Fidelity Building; F. A. Havens & Co., 845 North Nineteenth street; Philadelphia; Cuthbert Bros., Henry Shenk Co., W. F. Trimble & Sons, Pittsburgh Const. Co., Miller Const. Co., Geo. Wills & Co., F. F. Shellenberger, D. T. Riffle, Walker & Curley, all of Pittsburgh, Pa.; Nicola Building Co., East Liberty, Pittsburgh, Pa., and W. H. Fissell & Co., 1328 Broadway, New York City.

School (alt. and add.), West Chester, Pa. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Addison Jones, Superintendent, West Chester. Brick, stone, terra cotta and concrete, 2 stories, slag roof (steam heating, plumbing and electric work separate bids), fire doors, ventilators. Plans about completed. Owners will be ready for bids in a few days.

Residences (7), Coatesville, Pa. Architect, W. Leslie Walker, 103 Park avenue, New York City. Owners, Worth Bros. Co., Coatesville, Pa. Brick and stucco, 2 and 2½ stories, 20x24 feet, 21x28 feet and 23x26 feet, slate roof, pine floors, metal lath (plumbing, heating and lighting reserved). Architect taking bids, due December 11th. Pomeroy Const. Co., 1609 Ranstead street, and F. W. Van Loon, Denckla Building, Philadelphia, are figuring.

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PENNSYLVANIA Contracts Awarded

Manufacturing Building, Easton, Pa., \$80,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, W. Kuebler & Sons, Easton, Pa. Brick and stone, concrete and steel, terra cotta and granite trimmings, 3 stories, 45x100 feet, slag roof, steam heating, electric lighting, cement floors, fire doors, ventilators. Contract awarded to A. A. Bechtel, Easton, Pa.

Garage, Bala, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, M. P. Glynn, Bala, Pa. Stone and timber, 1½ stories, shingle roof, steam heating, cement floors, electric lighting. Contract awarded to Mowrer Bros., Merion, Pa.

Residence and Garage, Haverford, Pa., \$50,000. Architects, Frank Seeburger and C. E. Rabenold, Pennsylvania Building, Philadelphia. Owner, Mrs. A. Atwater Kent, Rosemont, Pa. Stone, 2½ stories, 43x123 feet, (2) wings, 33x23 feet and 38 feet, slate roof, hot water heating, electric lighting. Contract awarded to Wm. R. Dougherty, 1610 Sansom street, but not yet signed.

Church and Sunday School, Allentown, Pa., \$15,000. Architect, Chas. W. Bolton & Sons, Witherspoon Building, Philadelphia. Owners, St. Paul's Reformed Church, Rev. Senslinig. Hollow tile and stucco, 2 stories, 60x50 feet, slate roof, steam heating, electric lighting, waterproofing. Contract awarded to A. Albright & Son, 315 North Fourteenth street, Allentown, Pa.

Brewery (alt. and add.), Ninth and Laurel streets, Reading, \$30,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Reading Brewery Co. on premises. Brick, stone, concrete and steel, slag roof, cement floors, fire doors, ventilators. Contract awarded to W. A. Sharp, Reading, Pa.

Garage (alt.), Wayne, Pa. Architect, D. K. Boyd, northeast corner Fifteenth and Walnut streets. Owners, Hale Motor Co., Wayne, Pa. Stone, concrete and terra cotta, 1 and 2 stories, 60x100 feet, slag roof (plumbing, heating, electric work reserved). Contract awarded to J. D. Lingle, Wayne, Pa.

School Building, Plymouth Township, Pa., \$45,000. Architect, Owen McGlynn, Wilkes-Barre, Pa. Owners, School Board of Luzerne County, Pa. Brick and frame, 2 stories, 90x

100 feet, slag roof, steam heating, electric lighting, fire doors, ventilators, safety treads (heating, plumbing and lighting reserved). Contract awarded to Herman Milander, Wilkes Barre, Pa.

Garage, Jefferson avenue and Pine street, Scranton, Pa. Architect, Edw. Langley, Scranton Life Building, Scranton, Pa. Owner, Mortimer D. Fuller, Scranton, Pa. Brick, 1 story, 40x60 feet, slag roof, steam heating, electric lighting, metal lath and sash, concrete floors, hollow tile. Contract awarded to S. Sykes & Son, Greenwich, Pa.

Warehouse, Caprouse avenue and Pine st., Scranton, Pa., \$30,000. Architect, Albert Ward, Republican Building, Scranton, Pa. Owners, Capouse Warehouse Co., on premises. Brick and stone, 3½ stories, 60x105 feet, slag roof, steam heating, electric lighting, metal lath, elevators, fire doors, ventilators (plumbing, heating and electric work reserved). Contract awarded to E. S. Williams, Scranton, Pa.

Church, Sayre, Pa., \$50,000. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owners, Church of the Epiphany, Rev. James L. Shanley. Stone and brick, 1½ stories, 60x125 feet, slate roof, steam heating, electric lighting. Contract awarded to Lehigh Valley Const. Co., Scranton, Pa.

School, Lehman Township, Luzerne County, Pa., \$20,000. Architect, Ed. N. Finch, Wilkes Barre, Pa. Owners, School District of Lehman Township, Fred. Ide, president, R. F. D., Dallas, Pa. Frame or brick, 1 story, 40x90 feet, slate roof, steam heating, electric lighting, waterproofing. Contract awarded to A. N. Cobleigh, Dallas, Pa.

Garage, Vine and Wyoming avenue, Scranton, Pa., \$80,000. Architect, Albert J. Ward, Republican Building, Scranton, Pa. Owners, Lackawanna Auto Co., Scranton, Pa. Steel and concrete, 5 stories, 90x95 feet, slag roof, steam heating, electric lighting, metal lath and sash, waterproofing, fire doors, safety treads, reinforced concrete floors, (2) elevators, metal lockers, gasoline storage system (metal lockers and storage system reserved). Contract awarded to Parsons Const. Co., Scranton, Pa.

Nurses Home (add.), Scranton, Pa. Arch-

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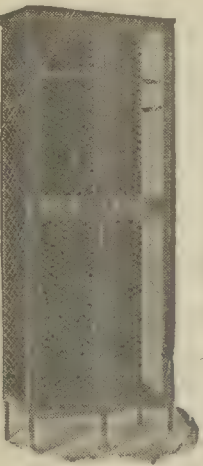
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itect, R. W. Snyder, Title Guarantee Building, Scranton, Pa. Owners, Moses Taylor Hospital, Miss Grant, superintendent, Scranton, Pa. Brick, 3 stories, 37x46 feet, slate roof, steam heating, electric lighting. Contract awarded to Hower & Stender, Scranton, Pa.

Locomotive Shop Foundry (add.), Reading, Pa. Architect, private plans. Owners, Philadelphia and Reading Railway, Reading Railway, Philadelphia. Brick, 1 story, 15x20 feet, slag roof, cement floors (heating and lighting reserved). Contract awarded to William H. Wiand, Pottstown, Pa.

NEW JERSEY Construction News

Residence, North Tallahassee avenue, Atlantic City, N. J. Architect, Seward G. Dobbins, South Tennessee avenue, Atlantic City. Owners, Plaza Land Co., Bartram and Atlantic avenue, Atlantic City. Frame and stucco, 2½ stories, 30x44 feet, slate roof, hot water heating, hardwood and tile floors, electric lighting, metal lath. Plans in progress.

Apartment House, Atlantic City, N. J., \$150,000. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, hollow tile, steel and terra cotta. Too early for details.

Store Building (alt. and add.), 108 Broadway, Camden, N. J., \$4,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, Jas. F. Baker Co., 924 Broadway, Camden, N. J. Brick, 3 stories, 20x65 feet, slag and tin roof, hot air heating, combination lighting, metal lath, North Carolina pine and composition floors, store fixtures. Architects have received bids and will soon award contract.

Residences (2), Moorestown, N. J., \$6,500. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, Jas. S. Butterweck, 65 E. Main street, Moorestown, N. J. Frame and stucco, 2½ stories, 36x36 feet, shingle roof, hot water heating, gum and North Carolina pine floors. Plans completed. Owner will take bids shortly.

Post Office, East Orange, N. J. Architect, Jas. A. Wetmore, Washington, D. C. Owners, U. S. Govt., Treasury Dept., Washington, D. C. Brick, stone and terra cotta, 1 story, 174 x82 feet, tile roof, pine or fir floors, metal lath, dampproofing, ventilators, safety treads, tile and marble work hollow tile, weatherstrips, terrazzo work (mechanical equipment

separate bids). Lowest bid submitted by W. H. Fissell & Co., Marbridge Building, New York City.

Coal Pockets (add.), Trenton, N. J. Architect, Ralph E. White, Penna. Building, Philadelphia. Owners, Tattersall & Co., 147 N. Warren street, Trenton, N. J. Concrete. Architect will take bids in one week.

Garage and Stable, Riverton, N. J. Architect, J. Fletcher Street, 129 South Fifth st., Philadelphia. Owner, Robert Biddle, 2d, Riverton, N. J. Brick, frame and concrete, 40x25 feet, 2 stories, greenhouse addition. Architect taking bids, due in about ten days. Jos. Smith & Co., Palmyra, N. J.; Geo. W. Shaner & Son, Palmyra, N. J., and Louis Lowden, Riverton, N. J., are figuring.

Theatre, Broadway and Carman streets, Camden, N. J. Architects, Custer & Seltzer, 304 Market street, Camden, N. J. Owners, Broadway Realty Co., care of architects. Brick, steel and terra cotta, 2 stories, 53x141 feet, J. M. asbestos, tile and slag roof, pine and cement floors, metal lath, ventilators, tile work, cabinet work (electric work, painting, decorating, heating, ventilating and plumbing reserved). Architects taking bids, due December 12th. Hogg Const. Co., 1634 Sansom street, Philadelphia; J. W. Draper, 436 Haddon avenue, Camden, N. J., and George W. Shaner & Sons, Palmyra, N. J., are figuring.

Residence (add. and alt.), Dorset and Ventnor avenues, Atlantic City, N. J., \$5,000. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, A. W. Brehman, Atlantic City, N. J. Brick and frame, 2½ stories, 30x40 feet, slate roof, hardwood floors, tile work electric lighting. Contract awarded to J. V. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J.

MARYLAND Construction News

Residence and Garage, Elk River, Md., \$15,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 40x40 feet, slate roof, hot water heating, oak floors, electric lighting, tile work. Architect will be ready for bids in one week.

Pier (superstructure), Locust Point, Baltimore, Md. Architect, private plans. Owners,

Baltimore & Ohio RR. Co., R. N. Begien, C. E., Baltimore, Md. Steel, corrugated iron and terra cotta, 2 stories, 136x1006 feet, composition roof, steam heating, electric lighting, metal lath, metal sash, steel rolling and fire doors, ventilators, sprinklers, maple floors, elevators. Owners taking bids, due December 6th. Roydhouse-Arey Co., Fidelity Building, Philadelphia, are figuring.

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Theatre (alts.), 2207-9 Madison avenue, Baltimore, Md. Architect, John Freund, Jr., 11 East Lexington street, Baltimore. Owners, Madison Amusement Co., Louis Siegel, Hy. Siegel Co., 1109 West North avenue, Baltimore, Md. New floors, steel and concrete. Plans about completed.

Dwelling (alts.), Eecleston Station, Baltimore, Md. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owner, H. Irving Keyser, Keyser Building, Baltimore. Consists of general interior and exterior alterations. Plans in progress.

Club House, Magethy River, Md. Architect, William F. Stone, Jr., 218 East Lexington street, Baltimore. Owners, Long Point Country Club, 11 East Lexington street, Baltimore, D. R. Perry, president. Frame and stucco, shingle roof. Plans in progress. Too early for details.

Residence and Garage, Guilford, Md., \$20,000. Architect, Laurence Hall Fowler, 347 North Charles street, Baltimore. Owner, E. E. Gibbs, Southern Can Co., 717 South Wolfe street, Baltimore. Brick, 2½ stories. Plans in progress.

Garage Shop and Office, Columbia avenue and Bayard street, Baltimore. Architect, private plans. Owner, Wm. Sauer, care Monitor Steam & Hot Water Heating Co., 212 West Fayette street, Baltimore. Garage, 1 story, 22x175 feet; office and shop, 1 story, 90x175 feet; brick, corrugated iron roof, hot water heating, electric lighting, concrete floors. Owners will be ready for bids in one week.

Warehouse, 12-14 North Paca street, Baltimore, Md. Architects, Walter M. Gieske and Frederick Thomas, Gunther Building, Baltimore. Owners, Resenbloom & Levy, 716-18

W. German street, Baltimore. Reinforced concrete, steel, brick, veneer, 6 stories, 40x150 feet, slag roof, electric lighting, freight elevator. Plans about completed. Architects will take bids in a few days.

Armories (3), Cambridge, Hyattsville and Westminster, Md. Architect, J. B. Brown, Cambridge, Md. Owners, State Armory Commission, E. C. Harrington, chairman, Union Trust Building, Baltimore. Stone, stucco and brick, slag roof electric work, plumbing and heating reserved), ventilators, concrete floors. Architect taking bids, due December 20th. The Consolidated Eng. Co., Calvert Building, Baltimore, Md., is figuring.

Bank Building, Laurel, Del., \$35,000. Architect, Theo. W. Pietsch, American Building, Baltimore. Owners, Peoples National Bank, Daniel Shirk, president, Market st., Laurel, Del. Brick, 1 story, marble trimmings, slate or slag roof steam heating, electric lighting. Architect ready for bids.

Factory, 3221 Frederick avenue, Baltimore, Md. Architect, T. M. Rinehart, Baltimore, Md. Owners, Rennous, Kleinle & Co., on premises. Brick, concrete and steel, 4 stories, metal sash and frames heating, plumbing, electric work and elevator reserved). Consolidated Eng. Co., Calvert Building, Baltimore, taking sub-bids on all lines.

Seawall, Naval Academy, Annapolis, Md. Engineer, private plans. Owners, Bureau of Yards and Docks, care F. R. Harris, Chief of Bureau, New York avenue and Seventeenth street, Washington, D. C. Steel and concrete, 1170 feet long, wood piles. Lowest bidders, Dorsey & Miller Co., Corcoran Building, Washington, D. C.

MARYLAND

Contracts Awarded

Building (alts.), southeast corner German and Greene streets, Baltimore. Architects, Benj. Frank, 328 North Charles street. Owners, M. F. Realty Co., Baltimore, Md. New steam heating, steel and concrete work, stucco, brick work (electric work and elevators reserved). Contract awarded to Monmenier & Sorrell, 1711 McCulloh street, Baltimore.

Residences (56), Alameda, Twenty-eighth and Kennedy avenues. Architect, private plans. Owners, Rochester Home Building Co., Alameda, near Harford avenue. Brick, 2 stories, 14x36 feet, tin roof, hot air heating. Owners taking sub-bids on all lines.

Dormitory, near Reisterstown, Md. Architect, K. M. Murchison, 101 Park avenue, New York City. Owners, McDonogh School, E. Stanley Gary, president, 722 Equitable Build-

ing, Baltimore. Brick, 3 stories, 40x97 feet, slate roof, metal lath copper work, slate blackboards, cement and tile floors (plumbing, heating and electric work reserved). Contract awarded to Cowan Building Co., 106 W. Madison street, Baltimore, Md.

Garage, North avenue and Altamont street, Baltimore, \$20,000. Architect, Herbert G. Jory, Munsey Building, Baltimore. Owners, Garrison-Walbrook Garage Co., on premises. Brick, steel and concrete, 2 stories, 80x113 feet, slag roof concrete floors (heating, plumbing and electric work reserved). Contract awarded to Jos. Schamberger, 2122 E. Baltimore street, Baltimore.

Engine House No. 2, Engine House (add.) and Henerator House, Sparrows Point, Md. Architect, private plans. Owners, Bethlehem Steel Co., care of Maryland Steel Plant, Spar-

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Building Construction

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rows Point, Md. Brick, steel and reinforced concrete, 1 story, 374x94 feet, 176x94 feet and 111x594 feet, reinforced concrete and slag roofs, steel doors, reinforced concrete and tile floors, metal sash, waterproofing, glazed tile, radial brick chimney. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Miscellaneous

Construction News

Church (alts.) and Sunday School, Staunton Va., \$50,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Consulting architects, T. J. Collins & Son, Staunton, Va. Stone, 2 stories and basement, 70x82 feet, slate roof. Plans completed. Architect will take bids in a few days.

Church, Gary, Ind., \$15,000. Architects, Chas. W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, First Reformed Church, Rev. J. M. Johnson, 2273 Washington street, Gary, Ind. Hollow tile, stucco and stone, 1 story, 40x70 feet, slate roof, steam heating, electric lighting, waterproofing. Plans will be ready for bids in about two weeks.

College Buildings, Morgantown, W. Va., \$200,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, University of West Virginia, State Board of Control, James S. Lakin, president, Charleston, W. Va. Brick, stone, concrete and steel, 4 stories, 40x250 feet. Dormitory and agricultural buildings, metal lath, fire doors, ventilators, marble and tile work. Owners will be ready for bids about January 1st, 1917.

Permits for New Buildings

Garage, 914 Princeton avenue, \$300. S. Walter Cook (O and C), 5718 North Fourth street. Brick, 1 story, 14x20 feet, slate roof.

Dwelling, Princeton avenue and Oakley st., \$2,350. S. Walter Cook (O and C), 5718 N. Fourth street. Brick, 2 stories, 16x42 feet, slag roof, hot water heating.

Garage, 417 Queen street, \$2,500. John Wilbert (O), on premises. J. Casberry (C), 1968 Medary avenue. Stone, 1 story, 20x48 feet.

Dwelling, 647 Hermitage street, \$2,500. Mrs. Padget (O), 8031 Ridge avenue. C. M. Smally (C), 6835 Ridge avenue. Brick, 2 stories, 16x30 feet, slate roof, hot water heating.

Church, Indiana and Almond street, \$64,000. St. George's P. E. Church (O), on premises. Thomas Little Sons (C), 1713 Moravian street. Stone, 1 story, 52x52 feet, slate roof, steam heating.

Saloon and dwelling, Hunting Park avenue and Venango street, \$25,000. George Trunnell (O), on premises. John N. Gill & Co. (C), 1215 Filbert street. Brick, 2 stories, 52x52 feet, slag roof, steam heating.

Press plant, Nicetown, Pa., \$4,300. Midvale

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Steel Co. (O), Nicetown, Pa. W. W. Lindsay (C), 902 Harrison Building. Brick and steel, 1 story, 58x38 feet, reinforced concrete roof.

Dwelling, 709 South Philip street, \$1,000. Jacob Moses (O), 708 South Second street. Chas. Finklestein (C), 1000 South Fourth street. Brick, 3 stories, 14x40 feet, slag roof, hot water heating.

Runaway, Delaware and Washington avenues, \$25,000. Penna. RR. Co. (O), Broad St. Station. Brann and Stewart (C), Commercial Trust Co. Crane runaway.

Three dwellings, Rockland and Smedley sts., \$14,000. Bailey Mercer (O and C), 1815 N. Sixteenth street. Brick, 2 stories, 16x20 feet, slag roof, hot water heating.

Garage, Damson street, \$450. Geo. F. Nelson (O), 267 Lumac street. Asbestos Crete Building Co. (C), 1927 Market street. Asbestos iron, 14x18 feet.

Two dwellings, Halstead street, northeast of Stanwood street, \$6,000. Will Thurner and Herbert Mahl (O), Fox Chase. Wm. Schmedt (C), 4931 North Fairhill street. Brick, 2 stories, 16x50 feet, slag roof, hot water heating.

Six dwellings, south side of Magee street, east of Ditman street, \$10,200. Chas. Herb (O), 939 E. Westmoreland street. Frank M. Faulkner (C), 2331 E. Allegheny avenue. Brick, 2 stories, 15x26 feet, slag roof, hot air heating.

Building, 20 and 22 South Fifteenth street, \$290,000. Franklin Trust Co. (O), Fifteenth and Market streets. Nickson Duggan Const. Corp. (C), Bailey Building. Stone, brick, hollow tile, 10 stories, 40x40 feet, slag roof, steam heating.

Six dwellings, Haworth and Cottage streets, \$11,400. Elizabeth Osborn (O), 5017 Duffield street. George Osborn (C), 5017 Duffield st. Brick, 2 stories, 14x25 feet, slag roof, hot air heating.

Garage, Moreland and Tamanda streets, \$5,500. F. W. Washman (O), Moreland and Tamanda streets. Alfred James (C), Bala, Pa. Stone, hollow tile, 1 story, 42x23 feet.

Store, 3519 Langshore street, \$1,100. Dr. J. Albert Bolin (O), on premises. Wilson Milnor (C), 4634 Penn street. Brick, 1 story, 14x31 feet, slag roof.

Garage, Vandyke street, north of Langshore street, \$7,000. J. Albert Bolin (O), 3917 Langshore street. Wilson Milnor (C), 4637 Penn street. Brick, 1 story, 74x50 feet, slag roof.

Garage, 5800 Rising Sun lane, \$400. Will L. Gaulbert (O), on premises. H. E. Sweager (C), 4435 North Uber street. Stone, 20x24 feet.

Shed, Nineteenth and Allegheny avenue, \$500. Elect Storage Battery Co. (O), on premises. Wm. Steele & Sons Co. (C), 1600 Arch street. Felt roof, 1 story, 22x61 feet.

Two dwellings, Lawndale and Bleigh sts., \$4,400. Wm. S. Isles (D and C), 1021 Dilham street. Brick, 2½ stories, 14x47 feet, slag roof, hot water heating.

Offices, Wissahickon avenue and Roberts street, \$200,000. Midvale Steel Co. (O), Widener Building. F. W. Mark Const. Co. (C), Finance Building. Brick, 6 stories, 167x167 feet, slag roof, steam heating.

Garage, 602 Jefferson street, \$1,000. John McWilliam (O), on premises. Ernest Bickenhoff (C), 6153 Walnut street. Brick, 1 story, 12x16 feet, slag roof.

Garage, 5614 Chew street, \$300. Louis Ott (O), on premises. D. Sinter, (C) 339 Church lane. Brick, 1 story, 32x16 feet, slag roof.

Garage, 2033 Abigal street, \$700. J. Bergbauer (O), 2074 E. Susquehanna avenue. Matthew Morrison (C), 2322 North Howard st. Brick, 1 story, 18x18 feet, cement floors.

Horseshoeing shop, Howard and Cumberland streets, \$1,500. Basney Smith (O), on premises. Matthew Morrison (C), 2322 North Howard street. Brick, 2 stories, 15x15 feet, slag roof.

Thirty-eight dwellings, Eleventh and Wyoming avenue, \$102,300. Margenson (O and C), 547 North Tenth street. Brick, 3 stories, 20x54 feet, slag roof, hot water heating.

Garage, 3127 Huntingdon street, \$1,500. M. Pleppinger (O), 2524 North Thirty-first street. B. F. Virde (C), 2917 Fletcher street. Brick, 1 story, 20x72 feet, slag roof.

Kitchen, Cedar avenue, Fifty-third and Fifty-fourth streets, \$140,000. Misericordia Hospital, Fifty-fourth and Cedar avenue. John McShain (C), 1610 North street. Brick, 1 story, 174x174 feet, slag roof, steam heating.

H. F. Dinkellacker (C), 227 North Farson street. Brick, 1 story, 59x60 feet, slag roof.

Store, 2324 Westmoreland street, \$800. Marie Schmidt (O), 2324 Westmoreland st. Julius Raith (C), 304 Master street. Flush bulks, repairs.

Dwelling, 2118 North Nineteenth street, \$900. Miss B. E. Thompson (O and C), on premises. Brick, 3 stories, addition, 12x11 feet, tin roof.

Dwelling, 110 E. Allegheny avenue, \$465. Estate of Margaret Worth (O), on premises. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Repair fire damages.

Office and building, American and Willow streets, \$1,200. C. J. Matthews Co. (O), on premises. F. B. Davis (C), 240 North Sixteenth street. Alterations.

Store and dwelling, 4203 Frankford avenue, \$600. A. Verstein (O), on premises. H. P. Werner (C), 3245 Germantown avenue. Flush bulks, repairs.

Factory (add), Palmer and Hope streets, \$3,500. Festite Mfg. Co. (O), 1737 North Howard street. Robert Beatty (C), 2321 E. Fletcher street. Brick, 2 stories, slag roof, 138x18 feet, steam heating.

Manufacturing building, Twenty-third and Vine streets. Newton Machine Tool Co. (O), Twenty-third and Vine streets. Whiteside (C), 2115 Wallace street. Brick, locker room, 18x40 feet.

Store and dwelling, 6 Reed street, \$400. Jas. McNally (O), 2 Reed street. Daniel Whaley (C), 1109 Idniana avenue. New flush bulks.

Dwelling, 1745 North Thirteenth street, \$340. Real Estate Trust Co. (O), Broad and Chestnut street. William Massam (C), 320 Harmony street. Repairs.

Store, Front and Dauphin streets, \$1,000. E. Teaz (O), 2038 East York street. Basch & Co. (C), 1426-36 South Front street. Flush bulks.

Dwelling, 1803 Spring Garden street. Carpenters' Dist. Council (O), 142 N. Eleventh street. E. E. Hollenbach (C), Fifteenth and Race streets. Alterations.

Mill, Palethrope and Columtia avenue, \$1,000. Keystone Spinning Mills (O), Second and Columbia avenue. F. B. Davis (C), 240 North Sixteenth street. Slag roof, 4 stories, addition, 44x40 feet.

Church, 1235-37 North Second street, \$3,700. Christian Klenk (O), 1233 North Second st. Al. Schmidt (C), 2449 Hancock street. Alterations and repairs.

Dwelling, 4108-10 Powelton avenue, \$400. J. Cunningham (O), 4108 Powelton avenue. W. J. McCuff (C), 5940 Haverford avenue. Hot water heating system.

Salesroom, Thirtieth and Market streets, \$700. D. B. Martin Co. (O), on premises. Henry P. Friend (C), Norristown, Pa. Interior alterations.

Building, 1912 North Sixth street, \$1,300. Pringle Elect. Mfg. Co. (O), on premises. S. W. Erwins (C), 2104 North Sixth street. Steam heating.

Bake shop, 4912 Kingsessing avenue, \$2,000. Mrs. Ida Leigle (O), on premises. Herbert Morgan (C), 5141 Walnut street. Brick, 1 story and basement, 21x14 feet, slag roof, repairs.

Factory, 934-42 North Third street, \$10,000. Royal Pioneer Box Mfg. Co. (O), 934 North Ninth street. Jas. Levin Co. (C), 1530 South Sixth street. Brick, 3 stories, addition, 26x104 feet. Fire tower stairways.

Storage, 4836 Market street, \$2,500. Shutes Laundry (O), 4836 Market street. Edward Holland (C), Upper Darby, Pa. Brick, 1 story, 20x90 feet, slag roof.

Alterations and Additions

Saloon, 3100 Spring Garden street, \$1,000. Chas. Cassidy (O), on premises. John Engel (C), 3006 North Fifth street. Repairs.

Warehouse, Sixth and Cherry streets, \$2,000. Dill & Collins (O), on premises. F. L. Hoover & Sons (C), 1023 Cherry street. Interior alterations.

Store and dwelling, 916 South Fourth street, \$1,500. P. Ostsoff (O), 2102 South Eighth street. Jacob Jasesky (C), 2112 S. Eighth street. Brick, 3 stories rear, 16x40 feet, slag roof.

Dwelling, 1120 Germantown avenue, \$400. Benj. Stamberg (O), Seventh and Girard avenue. Schetman Bros. (C), Philadelphia, Pa. Change to dwelling.

Four garages, 200-2-4-6 E. Gorgas lane, \$2,000. A. S. Tourison (O and C), 7014 Boyer street. Stone, 1 story, 13x20 feet, slag roof.

Open shed, Unruh street and State road, \$2,000. Henry Disston & Sons (O), Tacony. Percival M. Sax (C), Heed Building. Shed, 57x84 feet.

Dwelling, 1935 Wynnewood road, \$1,500. Mrs. M. Keroshean (O), on premises. W. L.

Burton (C), 2108 Smedley avenue. Porch repairs.

Store, 833-35 Market street, \$6,000. Dobson Estate (O), on premises. Harry Rust (C), 19 South Eigth street. Elevator shaft.

Dwelling, 2314 Clearfield street, \$400. H. Buchman (O), 2314 E. Clearfield street. S. E. Brown Heating Co. (C), Builder's Exchange, Hot water heating system.

Rooming house, 1906 Wallace street, \$300. M. Stockbridge (O), 717 North Nineteenth street. Samuel Lasfi (C), 700 North Nineteenth street. Interior alterations, new bulk windows.

Store and dwelling, Fifth and Snyder avenue, \$1,500. J. Mashin (O), Twentieth and Carpenter streets. M. Goshaffer (C), 529 Morris street. Brick, 2 stories, back addition, 16x18 feet, slag roof.

Dwelling, 1224 South Eighth street, \$700. Pasquale Lugent (O and C), 822 Christian street. Brick, 2 stories, rear addition, 14x12 feet, flush bulks.

Stable, Twenty-fifth and Moore streets, \$40. Chas. Shetzline (O), 2021 South Broad street.

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Dwelling, 2840 W. York street, \$650. Rose Richman (O), 2634 North Thirtieth street. Chas. L. Gum (C), 2546 North Twenty-ninth street. Interior alterations.

Store room, Thirteenth and Arch streets, \$2,000. Edwin Hutchinson (O and C), 122 South Thirteenth street. Repairs.

Store and storage, 708 South Second street, \$5,000. Jacob Moses (O), 708 South Second street. Chas. Finklestein (O), 1000 South Fourth street. Brick, 4 stories, rear addition, 22x48 feet.

Dwelling, 443 North Fourth street, \$500. Mrs. Muller (O), 4247 Sansom street. Jas. Holm (C), 5ep6 Arch street. Repairs.

Store and dwelling, 4527 North Broad st. Francis Hennessy (O), Fifth and Walnut sts. Harry Wolf (C), 2317 South Mildred street. Interior alterations.

Room, Seventeenth, south of Allegheny avenue, \$500. Harrison Safety Boiler Works (O), on remises. Alan S. Smith (C), 2135 North Sixty-third street. Alterations.

Store and dwelling, Sepviva and Boston avenue, \$350. Mr. Johnson (O), 2356 North Sixth street. John Jameson (C), 2581 East Huntingdon avenue. Flush bulks.

Light manufacturing building, Third and Noble street, \$3,500. Wm. Amer Co. (O), 450 North Third street, Philadelphia. Joseph Bechlel (C), Fifteenth and Race sts., Philadelphia. Repair fire damages.

Church (add.), Haverford ave. and Preston streets. Bethany Baptist Church (O), on premises. T. Eisboursen (C), 1700 North Sixtieth street. Stone, 1 story, addition, 7x16 feet, 6x16 feet, slate roof.

Open lot, 1048-1052 North Lawrence st., \$450. Redemptonist Fathers of Penna. (O), Fifth street and Girard avenue. Frank Stohl (C), 1432 Germantown avenue. Alterations.

Shop and storage, 901 Callowhill street. Walter Goodman (O), Highland Park, Del. Moses Lahe (C), 903 Cherry street. Brick, 1 story rear addition, 12x18 feet, slag roof.

Garage, 1536 North Marston street, \$500. H. H. Bark (O), 1527 North Twenty-eighth street. H. F. Campbell (C), 1222 North Twentieth street. Hot water heating system.

Stack, Margaret and Bermuda streets. Barrett Co. (O), Frankford, Philadelphia. Heine Chimney Co. (C), 1328 Chestnut street. Brick stack, 165x7 feet.

Dry goods store, 3902-04 North Fifth street, \$500. A. Schwarzman (O), 3900 North Fifth street. J. M. Faust (C), 4611 North Broad street. Repairs.

Printing shop, Forty-ninth and Ludham sts., \$5,000. Chilton Co. (O), Forty-ninth and Market streets. A. Raymond Raff Const. Co. (C), 1635 Thompson street. Brick, 1 story high, addition, 85x65 feet, slag roof.

Bottling house, 419 North Fifth street, \$4,000. John Betz & Son (O), 411 Callowhill st. J. N. Cosnew (C), Laurel Springs, N. J. Brick, 1 story addition, 32x78 feet, slag roof.

Hospital, Broad and Ontario streets, \$6,000.

Samaritan Hospital (O), on premises. Standard Const. Co. (C), 822 Drexel Building. Brick, 4 stories addition, 40x40 feet, fireproofing.

Store and dwelling, 758 South Sixth street, \$425. P. Chestranse (O), on premises. John Palai (C), 710 Fitzwater street. Repairs.

Dwelling, 229 North Sixtieth street, \$300. Minnie Hoffman (O), 37 North Sixty-third st. Harry Davis (C), 5445 Pine street. Repairs and alterations.

Bank, Broad and Chestnut streets, \$550. Girard Trust Co. (O), Broad and Chestnut sts. G. Sternel (C), 3534 Sunnyside avenue. Repairs.

Store and dwelling, Fifth and Pine streets, \$4,000. David Koskey (O and C), 537 Pine street. Alterations, 3 stories addition, 15x20 feet.

Studio, Cuthbert, east of Nineteenth st., \$2,250. John Lewis (O), on premises. John Duncan (C), 920 Walnut street. Brick, 1 story addition, 23x41 feet, slag roof.

Store and dwelling, 1416 North Fifty-second street, \$825. D. Boaroff (O), 1859 N. Eighth street. Israel Shulman (C), 1111 Bainbridge street. Flush bulks, 1 story front addition, 15x12 feet, slag roof.

Apartment, 1821 Greene street, \$910. Freund Const. Co. (O), 318 Bulletin Building. James Kennedy, Jr. (C), 1317 South Twentieth street. Hot water heating.

Store and offices, 1305 Market street, \$1,000. Estate of Geo. Wilson (O), Pennsylvania Building. Basch & Co. (C), 1436 South Front street. Flush bulks.

Laundry, Sherman street and Ledgwick street, \$1,500. G. F. Flack (O), 645 W. Sedgwick street. John Roman (C), 4521 Pulaski avenue. Brick, 2 stories rear addition, 12x16 feet, hot air heating.

Dwelling, 5532 Wayne avenue, \$1,000. Da Tustin (O), Wayne and Penn streets. Edward Clifford (C), 107 Queen street. Brick, 1 story addition, 16x22 feet, slate roof.

Store and dwelling, Fifteenth and South streets, \$1,600. Rose Cardana (O), Fifteenth and South streets. George Dougherty (C), 1725 Ludlow street. Brick, 3 stories rear addition, 6x18 feet, slag roof.

(Continued from page 798.)

trol the situation and you can co-operate with them in many ways.

In some of the States where the separate contract law obtains, annoyance is often caused because the heating, plumbing and electrical work cannot when desired be incorporated in the general contract for State and municipal buildings. If all the contracts were separately let, and there were no general contractor, the situation would be quite different. So would it be if, after securing separate estimates on the mechanical equipment, in the

manner I have indicated, the contractors for these branches of the work, upon approval as to their fitness, could become sub-contractors to the general contractor. While this would cost the owner more, it would insure a unified responsibility for the completion and term maintenance of the building, and would simplify the course of procedure throughout the work. Under the existing conditions contractors are often working at variance and the way is open for constant dispute and discussion as to interference, delay, responsibility for damage and defects.

How to Obviate Losses Due to Estimating as Sub-contractors.

The contention made by your committee that estimating as sub-contractors to all general contractors involves a loss to the trade is well founded, and worthy of every consideration. The difficulty would, however, be obviated if architects were required to take separate estimates just as at present, under the law referred to, but could have the option of incorporating these into the general contract under proper conditions. Your interest would be fully protected in work of this nature if the general contractor were required to furnish a bond protecting sub-contractors, as, for instance, is required on all municipal work in the city of Philadelphia, and owners and architects would be saved much annoyance and duplication of duties, clerical and supervisory.

The Situation with Reference to the "Standard Documents."

The matter of improving the relations between architects and those entrusted with the execution of their work by no means ceased to engage the attention of architects with the discontinuance of the institute's conference committee. Work was still under way by another and larger committee of the Institute of Architects to bring about better conditions in all estimating and contractual relations in which architects, owners, contractors and others are vitally concerned.

I refer to the committee on contracts and specifications, which finally concluded its most arduous labors little more than a year ago, when, after serious and countless conferences with representatives of the National Association of Builders' Exchanges and many other interested bodies, the second edition of

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the "Standard Documents of the Institute" was issued.

These embrace four papers: "Form of Agreement and General Conditions of the Contract," "Bond of Suretyship," "Form of Sub-Contract," "Letter of Acceptance of Sub-Contractor's Proposal." They cover as fully as is possible the points formerly raised as to the relations of the architect to all parties in interest and the relations of these parties one to the other, including all contractors, sub-contractors and the owner.

Desiring to fortify my position on this occasion with the views of other architects, I wrote several of my friends in different cities, asking for suggestions.

Among the replies received was one from W. Stanley Parker, of Boston, whose great service in connection with the work of the committee to which I have just referred, to the profession of architecture, and all interests allied with it, has everywhere been recognized.

Attitude of New York Contractors Toward "Standard Documents."

The letter has such an important bearing on our relations that I am going to read it to you, and I earnestly hope that it may result in furthering your co-operation. He said:

"Roughly, the situation is this: The men in New York who are members of the National Association are also members of the Building Trades Employers' Association in New York. The committee of the Employers' Association has not approved the documents, and some of the steam fitters in New York seem to agree with objections that the New York Employers' Association have made. The National Association of Master Steam Fitters, however, prior to this action in New York, did approve the documents. An effort has been made to get the National Association to withdraw its approval, but this action has not been taken. The National Association, however, did fail to approve the revised sub-contract form on account of the general situation. I have been all over the situation with one of the men in New York who, thought not on the committee there, has voiced, as I understand it, the general points of opposition that they find.

"The principal objection seems to be that the documents are too long. They seem to fail to appreciate that the value of a standard document is not in its brevity, but its inclusiveness in regard to all of the most general conditions existing in a contract. They seem to feel it is a detriment to have some conditions included which rarely, if ever, occur in their particular work. The fact that the meaning of the standard clauses can be made clear by expert advice, and that they can readily learn what clauses apply to them and what do not, does not seem to appeal to them as being vastly superior to varying general conditions in which they must study, each time, the particular clauses and in regard to

which they really should have expert advice of a lawyer each time.

"They also object to the liability insurance arrangement, but apparently because it costs the owner more. All we want and all we were trying to get was complete protection for the owner at the least expense. If we have not succeeded in doing this, subsequent editions will doubtless change the wording. But additional expense to the owner is no justification for refusal to approve the documents.

"They also seem to think that the documents are available for application only to general contracts. They fail to see the intended and actual adaptability of the documents to any contract, and a heating contract practically always has sub-contracts involved in it, and so is in effect a general contract itself; the form, therefore, applies to their work as direct contractors, if their work is so executed. Doubtless in connection with a heating contract, or electric contract, or a plumbing contract, additional clauses would be needed, as in the case of nearly every building contract, and conceivably some clauses might be entirely crossed out. The fundamental provisions, however, apply. This they do not seem to appreciate.

"They object to what they conceive to be some statements that limit the architect in being the agent of the owner, and feel, apparently, that all provisions of the contract in which the architect is assumed definitely or by inference not to be the agent of the owner are objectionable. They fail to appreciate that for the purpose of carrying on the contract as agreed upon, the architect is definitely accredited the agent of the owner for certain specific purposes, but that for purposes of changing the contract his agency is properly limited, as every owner would naturally insist.

"There also seems to be objection to the fact that it is possible to make changes in the Standard Form, and that changes are even anticipated. They seem to feel that if a Standard Form can be changed it loses its value as a Standard Form. This, of course, appears on the face of it, to us, to be unreasonable, since no standard form will ever be developed that will not be subject to changes to fit individual conditions. Having, however, a complete and full Standard Form, it assists the contractor to observe readily points in which changes are made, the balance of the document being familiar to him without study in each particular case."

Contractors Should Not Pay for Blue Prints in Estimating.

I feel that it is quite right and only proper that, except in the case perhaps of advertised work, contractors should not be required to pay for blue prints for estimating purpose. Heating contractors should also retain one set of their files and records. They are doing their full share in bearing the cost of estimating, which under our present system is but a contribution to our enormous national waste

and a factor in the high cost of building. It has been computed that there is spent in this country each year for the privilege of estimating the sum of over \$85,000,000, more than one-half of which, on a conservative basis, could be saved if efficient methods along the lines of the so-termed "quantity survey system" were generally adopted.

Instead of hopefully waiting for proper methods of estimating to be evolved, let us do our share now in improving them in every way possible. Architects can help greatly in conserving waste of money and human energy in the heating field alone if they will do some very simple things, which I suggest that you can call upon them to do. Some of these are being done by those architects whose first thought is real service to their employers—the

us. One of these is the preparation of clear and complete drawings and precise specifications which lessen the time and risks contractors take in estimating and which convey to them the assurance that they will not, if they secure the contract, be expected to make up for shortcomings of the architect.

I have seen some architects' drawings without figures outside or inside of the plans, and have read some specifications almost as brief as this: "Heat all portions of the building to 70 degrees in zero weather and guarantee these results." Here we have steam fitters, say twenty to thirty, if under the sub-contractor evil, spending their time scaling off every office or room or enclosed area, when all this time could be saved if one draftsman in an architect's office had taken the time necessary to do this work once,—and properly.

In that large number of every-day cases where no consulting engineer is employed, and where you are expected to do your own calculating and engineering, and assume all responsibility for results,—only to be beaten out, if you have figured even conservatively, by some one not so scrupulous, intelligent or careful,—why not refuse to estimate until you are furnished with a reasonable amount of data upon which to base your estimate?

I would urge you, individually and collectively, assuming that you are willing to estimate under these conditions, to insist upon certain basic requirements as a precedent to estimating. Architects can help you greatly if they will become accustomed to putting on every plan both dimensions of each enclosed space,—perhaps even to computing either the area or the cubical contents of each enclosure,—moreover the addition of figures to indicate the area of window and outside door openings would in many cases save much time and handling of prints to refer back and forth from plans to elevations and sections. Can you not take this up and perhaps consider symbols for drawings?

(Will be concluded next week)

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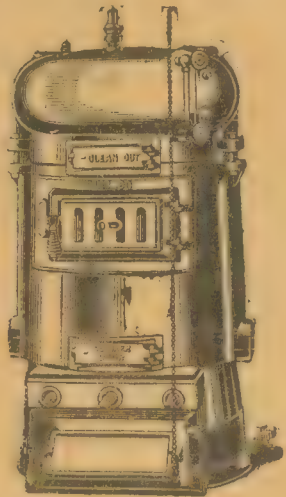
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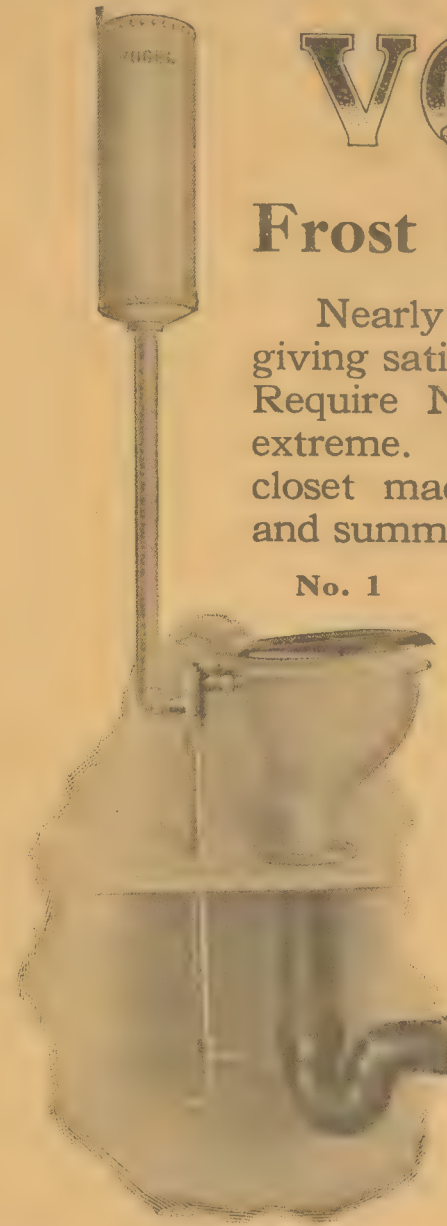
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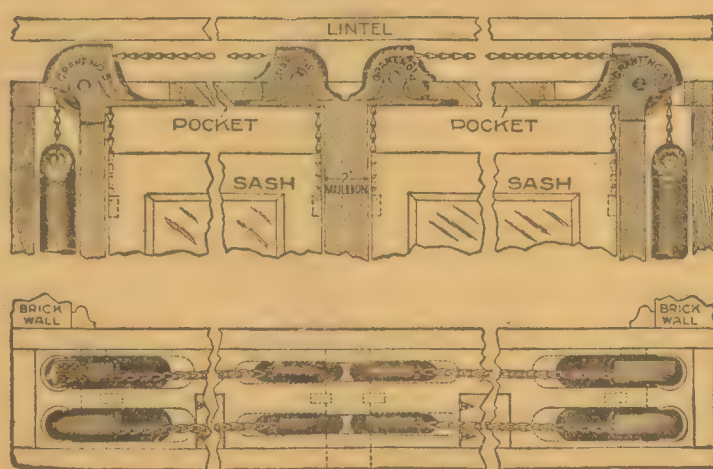
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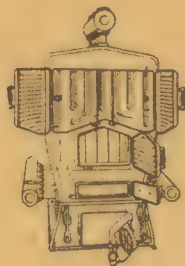
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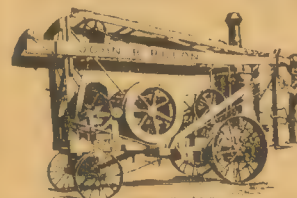
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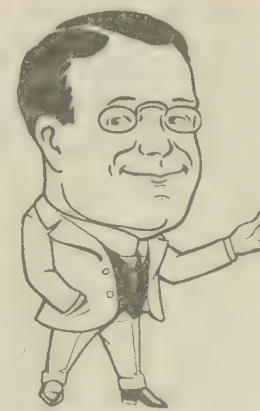
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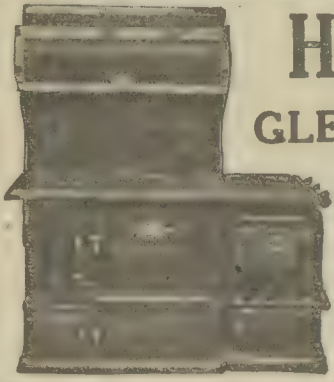
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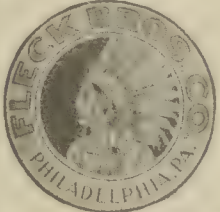


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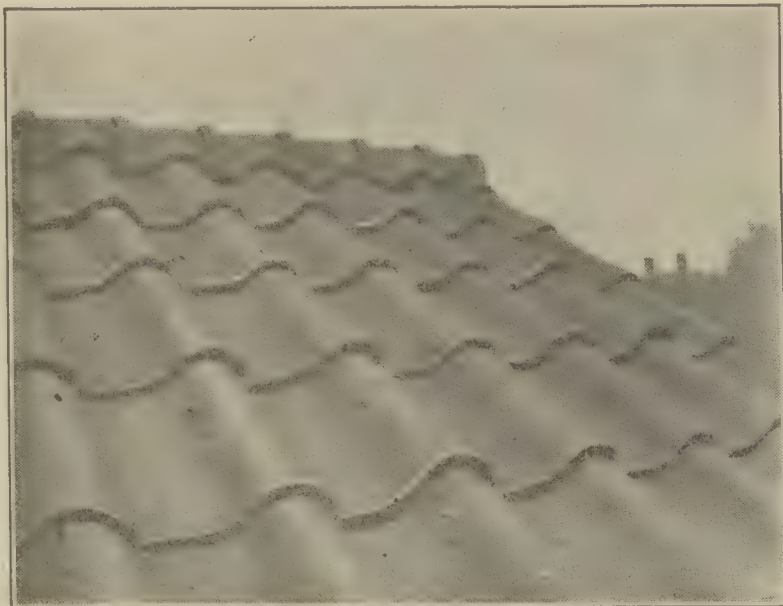


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VOLUME XXXI
Number 50

PHILADELPHIA
December 13, 1916



As The Editor Sees It



SOME interesting figures, showing the advantages of an intelligent minimization of the danger from fire, are presented in a recent number of *The American Contractor*.

"It is stated that New York City in 1915 had 1,010 fewer fires than in 1914, and its aggregate losses showed a decrease of \$2,460,793 from those of 1914. Its per capita loss was \$1.06, or thirty-two cents less than was known before; its loss per fire was \$140.58 less than the lowest previous record. These results are generally attributed to New York's fire prevention bureau.

"Chicago has a Bureau of Fire Prevention and Public Safety with extensive activities. Translated into figures, it appears that Chicago in 1915 enjoyed a decrease of 1,238 in the number of fires and of \$906,605 in total fire losses as compared with 1914.

"Boston's metropolitan district (including the city of Boston and twenty-five neighboring towns) has made a remarkable showing since appointing its Fire Prevention Commissioner in 1914. Comparative figures for the single month of June are as follows: In 1914, 1,337 alarms; in 1915, 935 alarms; in 1916, 605 alarms—or a decrease in two years of sixty-four per cent.

"Cincinnati is interested in fire prevention. Its 1914 figures of 2,138 fires and \$699,473 in losses were reduced to 1,708 fires and \$365,570 in losses for 1915—a reduction of twenty per cent. in the former item and nearly fifty per cent. in the latter.

"Milwaukee now carries on fire prevention work under the direction of its fire department. In 1915 the city had only 1,679 fires, as against 2,361 in 1914—a decrease of twenty-nine per cent. Its total fire losses for 1915 were \$487,009, as against \$777,946 in 1914 and \$953,477 in 1913. Milwaukee is convinced that fire prevention pays.

The above are a few of the bright spots, and represent but the merest beginning of the possible attainments. Fire prevention is still confronted by an enormous task. Momentary enthusiasm because of reductions effected in a few cities is somewhat dampened by the reflection that 1915 saw the enormous total of \$39,591,227 in the single item of dwelling house fires in the United States. Of this amount, \$6,322,813 is directly traceable to defective chimneys and flues—a cause which could have been ascertained and corrected. Fire prevention prevents, but it never will be really successful until the public fully co-operates in this movement."

* * *

HOW discouraging conditions are, due to indifference on the part of the public to preventive measures, is demonstrated by the figures on fire loss for 1916.

Despite fire prevention talks and "safety first" campaigns in all parts of the country, losses by fire during the first eleven months of this year were approximately \$48,000,000 greater than during the same period last year. From January to November, inclusive, this year, the total losses throughout the country aggregated \$209,379,670, as against \$161,959,100 in 1915.

The following table, compiled from records kept by *The Journal of Commerce* and *Commercial Bulletin*, show the losses each month of this year, as compared with 1915:

	1915	1916
January	\$20,060,600	\$21,423,350
February	13,081,250	24,770,770
March	18,786,400	38,680,250
April	18,180,350	12,681,050
May	11,388,450	15,973,500
June	10,893,950	12,247,500
July	9,006,800	23,013,800
August	10,067,100	10,745,000
September ...	14,823,500	12,244,625

October	14,465,850	17,701,375
November ...	21,204,850	19,898,450

Total\$161,959,100 \$209,379,670

There were 281 fires during November, each of which did property damage to the extent of \$10,000 or more. Twenty-three fires in the month caused losses in each instance of at least \$200,000. The largest fires were:

Donnelly, Minn., bus. section..	\$300,000
St. Paul, Minn., lumber yard..	512,500
Norfolk, Vr., furn. warehouse..	300,000
Ithaca, N. Y., salt works.....	500,000
Chicago, Ill., freight yards....	500,000
Muncie, Ind., iron works.....	300,000

* * *

EDITORIALLY the *Journal*, of Jamestown, N. Y., in a recent issue, discussing that city's new building code, says:

"Insurance rates are too high in this country because of the careless construction of past generations. In every American city the business streets are filled with fire traps that require large expenditures in insurance premiums, on the part of the owners and frequently cause the insurance companies large losses. If in past generations more attention had been paid to the methods of construction the insurance rates would be lower and the losses less.

"And it should be remembered that the public generally has to help for these conflagrations. Insurance companies to remain solvent must charge a high premium to offset losses and consequently the householder in the suburbs is affected by the losses caused by conflagrations in the business parts of the cities of the country. Anything which will diminish these losses will eventually result in a reduction of insurance premiums.

"For illustration let us assume that the buildings of the business section of every city in the United States were of the best

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fire-proof construction. It would mean a reduction of millions of dollars in the losses the insurance companies are compelled to pay annually and this reduction would enable the companies to fix a much lower rate on residence property. In short, it would save the people of the United States many millions of dollars, for indirectly the people pay the losses caused by fire. They pay because every householder must have the insurance and the insurance companies are obliged to charge a high enough premium to make good all the losses. Those who live in rented property pay their share because the insurance premiums are a part of the expense of maintenance of the building."

* * *

A LECTURE on "Colonial Architecture and Colonial Architects," delivered by Professor Fiske Kimball, of the University of Michigan, before the Pennsylvania Society of the Archaeological Society of America reviews a number of interesting facts relating to the earlier phases of American architecture. Said Professor Kimball, in part:

"The Colonial period in the United States closed, of course, with the Declaration of Independence, yet many of the finest buildings which are called Colonial came after the Revolution. Among these are the famous designs of Bulfinch, of Boston, and of McIntire, of Salem, as well as the tall-columned houses of the Piedmont region in Virginia.

"Three periods may, indeed, be distinguished in 'Colonial architecture.' The work of the seventeenth century was an offshoot of the medieval cottage architecture of the various medieval countries of the colonists—simple, informal, rudimentary as the struggle with the wilderness. The work of the eighteenth century, down to the Revolution, shows the adoption of the Renaissance forms of detail, the striving to conform to the style of Sir Christopher Wren in England.

"On the resumption of building after the Revolution began an effort to make buildings more monumental and more classical, to make them national in character rather than provincial. During this 'Early Republican' period contrast between the conservatives and the radicals was marked. One group clung to the old traditions and produced works which may well be called 'post-Colonial.' The other group tried to give American buildings that Roman or Greek magnificence which was the aim of the contemporary 'classical revival' abroad.

"The men who designed our early buildings are by no means all nameless and forgotten craftsmen. At first, to be sure, men had to build their own houses,

and later many a masterpiece of beautiful simplicity was raised without drawings by obscure carpenters imbued with the fine traditions of their craft. From early in the eighteenth century, however, in the case of important buildings, an effort was made to obtain more elaborate design, and we find men whom we may designate as architects whose personality is of much interest.

"The first of those to attempt to bring our buildings into accordance with European standards were cultivated amateurs like Governor Francis Bernard, of Massachusetts; Andrew Hamilton and Dr. John Kearsley, of Philadelphia, and, later, Thomas Jefferson. They derived their knowledge largely from the numerous architectural books of the period. Two of the best known of the early architects, Charles Bulfinch and William Thornton, were thus self-trained, and they remained amateurs in spirit, even though they took money for their services.

"By similar study there arose, from the craftsmen, a group of carpenter-architects, who both designed their buildings and helped construct them. Among these were such gifted men as McIntire and Samuel Rhoads, of Philadelphia. Finally there began to come to this country architects of regular professional training. Some believe the pioneer of these to have been Peter Harrison, of Newport, author of a series of exceptional designs. The French engineer officers, like L'Enfant, had some architectural training and a fund of foreign observation.

"With the establishment of the Federal Government appeared men like Stephen Hallet, Benjamin H. Latrobe and Joseph Mangin, men of the highest experience and talents, who brought our Colonial style to a close, and established the early architecture of the nation on monumental lines worthy of a new republic."

* * *

THE annual exhibition of the Architectural League of New York, the banner event of the year in the architectural world, will be held at the building of the American Fine Arts Society, 215 West Fifty-seventh street, New York city, February 3 to 24, inclusive.

The exhibition is illustrative of architecture and the allied fine arts. It will consist in drawings and models of proposed or executed work in structural, decorative and landscape architecture; sketches and finished examples of decorative painting; sketches, models and finished examples of decorative and monumental sculpture.

The committee, in its circular of information, particularly directs the attention

of architects to the following statement which it makes in the hope that a clear understanding of its policy may inure to the benefit of exhibitors and to the success of the exhibition.

"The effect of the exhibition as a whole is of the highest importance. The general impression made upon the visitor is stronger than that made by individual exhibits. To produce this impression it is obvious that the walls of the galleries should present an orderly and harmonious appearance. Exhibits containing large areas of white paper or having white or light-colored mounts conduce to a spotty and disorderly general effect. Exhibitors are therefore advised that such exhibits are likely to be poorly hung or not at all; and in case such are submitted, the committee reserves the right to remount or modify the tone of the mounts of any such accepted exhibits at the exhibitor's expense."

For detailed particulars regarding the exhibition address Charles W. Leavitt, 215 West Fifty-seventh street, New York City.

The league also has issued a circular of information regarding the competition for the Henry O. Avery prize for sculpture, for which \$500 is offered by the late Mrs. Samuel P. Avery in memory of the late Henry O. Avery, and a special prize of \$300 for the best design submitted by an architect, sculptor and mural painter in collaboration.

The subject of competition calls for "A Triumphant Arch, Commemorating the Renaissance of Peace." It is to be located in a public square of a large city, formed at the intersection of wide avenues. Competition due January 17, 1917.

* * *

CONTINUED advances in the prices of building materials has not so far stifled contemplated building operations," said the *Dow Service* recently. On the contrary, builders see no immediate abatement of the price trend, and in order to get operations under way in the spring, summer and fall of 1917 are placing orders now so as to get assured action on jobs at the earliest possible moment.

The week just closed developed many price changes. Common Hudson brick moved to \$9, with some bringing \$9.25. Second-hand brick was quoted at \$5 a load of 1,500. Raritan common brick is not being quoted for delivery in this market because it is not possible to get men enough to load the barges at Sayreville. For the New Jersey distribution the price is around \$10 a thousand, loaded on cars. Newark yard prices are reported as high as \$11.50 and \$11.75 a thousand.

Portland cement in wholesale prices showed no change, but contractors were

quoted by at least one company as the week closed at \$2.25 a barrel. Rosendale natural cement has so far made no change from the 90 cent level.

Sheet copper, hot rolled, advanced from \$39.50 to \$41 and \$42. Glass manufacturers, meeting here, report the glass shortage as being extremely acute, and one manufacturer has been compelled to close his plant because of lack of fuel. Laborers accustomed to dig glass sand at \$2 a day now want \$5, and if they do not get it they apply at the steel mills, where they get from \$5 to \$7 a day.

Architects and contractors are advised of an immediate 10 per cent. reduction in current discounts off jobbers' lists, with actually no limit as to the possibility of prompt future advances. Glass manufacturers are taking only such business as is wholly acceptable to them. There is no immediate change in the price of plate glass contemplated.

Structural steel was advanced from 2,696 to 3,169 a pound. Pig iron advanced from \$25.50 to \$26.50 for No. 1 X foundry. Northern to \$28 to \$28.50. Other grades are in proportion.

* * *

THIS is the time of the year when brick dealers stack for winter reserves. Normally 50,000 brick ridden from a barge to stack or jobs is considered a good day's movement. On Friday there was such a rush for brick following the day of rain that one deal-

er rode 141,000 brick. Winter is rapidly approaching, with little brick stored available for building requirements. Another condition making for abnormally high brick prices is that transportation companies are offering as high as \$10 and \$12 a day for brick barges to take care of freight movements in the harbor and to offset the demurrage charge by railways for use of cars on sidings. This is creating a shortage in barges, and with a shortage of labor to load brick barges it is more profitable for barge owners to rent out their barges this winter than to use them for carrying brick down the river or to permit storage of brick here in the usual quantities.

There were only 24,000,000 bricks in the market on Saturday morning, and only 12,000,000 en route to start the week with. About 8,000,000 of these brick were sold before they left the brickyards.

The Portland cement situation for the first fifteen days in November showed that the larger companies were shipping from 17 to 71 per cent. more cement than they did during the same time in 1915. Some of the smaller companies showed remarkable increases, the Cayuga reporting over 400 per cent. gain, while the Glens Falls and Penn Allen show 30 to 32 per cent. increase. In the light of conditions like those throughout the country, Louisville advises that before the year closes cement prices will be 20 cents a barrel above present quotations.

EDITORIAL NOTES

At a meeting of the Art Club of Philadelphia nominations for officers were made as follows: President, Thomas H. Fenton; vice-presidents, William M. Coates, George W. Elkins, George Gibbs and Leslie W. Miller; treasurer, William Krafft; secretary, Samuel W. Cooper.

* * *

Formal dedication of the new \$250,000 Ceramic Engineering Building of the University of Illinois took place at Urbana on December 6 and 7. Many prominent speakers, including Governor Edward F. Dunne, W. L. Abbott, president of the Board of Trustees; Dr. S. W. Stratton, director of the U. S. Bureau of Standards, and Claude Bragdon, author and architect, addressed the several meetings. The Ceramic Engineering Building is a three-story structure, covering a ground area of 67 by 189 feet. It is constructed of materials which are representative of the ceramic arts, such as high-grade brick, tile, terra cotta, cement and gypsum products. Its laboratories are equipped with the latest

types of apparatus needed for instruction and research in the manufacture of stoneware, china, brick, tile, sewer pipe, terra cotta, cements, glassware, sanitary ware, electrical and thermal insulating materials and other ceramic products.

* * *

Irwin & Leighton, builders of Philadelphia, have been awarded a contract for improvements amounting to about \$900,000 at the plant of the Bethlehem Steel Corporation at Sparrow's Point. This sum is a part of the \$50,000,000 which Charles M. Schwab has promised to spend making Baltimore the biggest steel and shipbuilding center on the Atlantic seaboard, and as large as any in the United States.

The improvements consist of an extension to present gas-driven blowing house, the erection of another such building and also a gas-driven electric engine plant. Work on the structure will be started at once.

* * *

American Steel & Wire Co. has ad-

vanced prices of wire products \$3 per ton effective at once, making wire nails \$3, plain wire \$2.95. The advance was made necessary by the recent advances of \$4 per ton in steel bars. Wire rods are also strong and higher, but no official price is given; at the same time, the American Steel & Wire Co. will accept no orders under \$60 per ton, whereas a few weeks ago, large sales were made at \$57.50. Export contracts for rods have been taken recently at between \$70 and \$75 per ton and the demand is far from satisfied.

The advance in price of wire products is the second change in schedule by the largest interests this month. The previous advance of \$3 per ton was announced by the American Steel & Wire Co. on November 4, making the total advance this month \$6 per ton.

* * *

The Baltimore and Ohio Railroad and South American capitalists are forming a \$15,000,000 steamship line to ply between Baltimore and South American ports.

* * *

The McNichol Paving and Construction Company was awarded a contract, by Director of Public Works Datesman, for laying cast-iron water pipe in Rockland street and the Northeast Boulevard. The price is \$84,590.

* * *

More than fifty men are working day and night to fulfill the contract of razing Convention Hall, Broad street and Allegheny avenue, by the end of the year. William B. Hargrave, of Baltimore, has

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given the city \$3,000 for the privilege of tearing down the building and selling the materials.

As fast as the building is being dismantled, the lumber and other material are being sold direct to builders and hauled away. Part of the roof was transferred to a garage under construction. North Carolina pine lumber, advancing in price 100 per cent. since Convention Hall was constructed four years ago, is being eagerly taken by builders. When bids were first submitted by contractors for the demolition of the hall, one man asked the city \$14,500 for the job.

* * *

The Musical Art Club will begin the erection immediately of a handsome club house at 1809-17 Ranstead street, which will contain the finest musical auditorium of its size in Philadelphia. Plans for the building were approved at a meeting of the club, in the quarters at Seventeenth and Chestnut streets. It is to be ready for occupancy next October.

Funds for the purchase of the properties, amounting to \$25,000, and for the construction of the building, \$40,000, are already available. It will have four stories, with a roof garden. The first floor will contain reception and lounge rooms, the second and third the auditorium, with 350 seats, and the fourth, billiard and meeting rooms.

FIFTY-THREE YEARS IN BUSINESS

The fine, old paint and varnish house of Felton, Sibley & Co., Inc., one of the commercial landmarks of Philadelphia, has been fifty-three years at the northwest corner of Fourth and Cherry streets, where, in observance of the formal opening of its splendid new building, the firm has arranged to receive its patrons and friends at a luncheon and inspection to be held on the 13th. The present officers of Felton, Sibley & Co. are J. Sibley Felton, President; Walter G. Sibley, Vice-President; Horace S. Felton, Second Vice-President; Howard B. Felton, Treasurer; Alex. D. Graff, Assistant Treasurer; J. Robinson Silver, Secretary, and Charles E. Shel-drake, Assistant Secretary.

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THE RELATIONS BETWEEN THE ARCHITECT AND THE MASTER STEAM FITTER.

By D. Knickerbacker Boyd.

(From an address before the National Association of Master Steam and Hot Water Fitters.)

(Continued from last week)

And in the matter of incomplete and indefinite specifications or of those equally as bad, imposing conditions or guarantees impossible to provide,—even if they have been prepared merely in accordance with the routine of an antiquated custom,—why not return them to the architect or the engineer responsible for them and frankly state your reasons for not estimating? Be courageous and do this for the good of the cause!

Obviously the architect who makes every heating contractor perform gratuitous calculating and engineering saves himself time, labor and cost, and transfers these not to one but to a large number of heating contractors—and, eventually, to the owners.

And yet one of the singular factors in this condition of affairs is that the trouble often begins with the owners, who too often do not select their architects on the basis of competency and integrity. After allowing for the younger and inexperienced men who are selected on the basis of friendship or otherwise and should be given every practical assistance possible by associations of their fellows and of others in the crafts the facts are that many architects who render full and proper services are the ones who charge a greater fee than those who do not, or rather, I should say, those who do not render or do not expect to render the nicer and fairer and, in the end, the more economical service, do not charge the owner as much as those architects who do. Unfortunately some owners give too much consideration to the question of fee in selecting their architects and do not always discriminate between the kinds of service, where the recollection of the quality will remain long after the fee is forgotten. You heating men have the same thing to contend with, so you know all about it, but the owners do not discover their mistake until it is too late.

Of course, for all work of any size, for power plants, and mechanical equipment and for work of a specialized nature, it is to be presumed that the services of a competent engineer have been engaged and the drawings and specifications prepared with accuracy and precision. Presumably such a man will be a member of the American Society of Heating and Ventilating Engineers. If not, he ought to be.

Value of High-Grade Membership for Reference Purposes.

In passing I wish to lay stress on this matter of membership, for it applies to your own association as well. All the good men in your calling should invariably be included in your membership. Only such should be properly qualified to enjoy the privileges of

your association. Then it will be pertinent on the part of architects and owners considering the awarding of a contract to inquire if the contractor about to be chosen is a member of the association, and if not, why not? Not being a member should be attributed either to a lack of eligibility or to a lack of sensitiveness to his responsibilities, for all good men should delight in assisting organizations of their fellow craftsmen, not for what good the association may do them, but for what good they may do the association.

Your association through its members and committees has already done much to simplify heating practice. This ought greatly to be appreciated by the trade in general, especially by the younger men, who have thus benefited by the results of your experience. You have in this way, also, rendered an assistance to architects and performed services to the owners and occupants of buildings perhaps unbeknown to them.

In addition to what you have done in perfecting certain practices in piping, and in standardizing flanges, couplings, and threads, etc., can you not further co-operate with the American Society of Heating and Ventilating Engineers and with the American Society of Mechanical Engineers and manufacturers of apparatus, in developing a standard or uniform basis of rating for boilers and domestic water heating apparatus, etc.? I know you have been working on this, or I have read of it in your 1914 proceedings, but can we not look for a definite pronouncement and the publishing of the results?

Uniform Radiation Formula Recommended.

Can you not in co-operation with the same society work on developing a basic formula or officially approving one of those in existence for computing the amount of radiation recommended in proportion to cubical contents, to outside wall area (for different kinds of wells) and different exposures, to window and door openings, etc., and make this available to all architects for instant reference?

Such a formula, if not actually used, as it should be, by those architects who do not employ an engineer for some of their everyday problems, could at least be referred to in their specifications. Then, instead of calling for the building to be heated according to the varying individual judgment of each contractor estimating, these architects could refer to such a formula, as providing the minimum installation allowed. This would undoubtedly be a great improvement over the indefinite methods now obtaining and would provide equable conditions of estimating so

(Continued on page 824.)

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Garage and Office, coal yard, Fourth and Allegheny avenue, Philadelphia. Architect, private plans. Owners, Philadelphia and Reading Railway Co., Reading Terminal, Philadelphia. Brick, land 2 stories, 20x43 feet, tin and slag roof, hot water heating, electric lighting, metal lath, pine and cement floors. Owners have received bids.

Residences (36) and Stores (4), Frankford and Erie avenue, Philadelphia. Architect, J. Ethan Fieldstein, Hale Building, Philadelphia. Owner's name withheld. Brick, 2 stories, 15x46 feet and 16x56 feet, slag roof, steam heating, electric lighting, pine floors. Plans in progress. Architect will take sub-bids in ten days.

Twin Residences (4), Greene street, Germantown. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owners, Fletcher, McNally & Boas Co., Inc., northwest corner Broad and Race streets, Philadelphia. Brick and stucco, 24x38 feet, 2½ stories, slate roof, hot water heating, hardwood floors, tile work, electric lighting. Plans about completed. Owners will be ready for sub-bids in about one week.

Residence (add.), St. Martins, Philadelphia. Architects, Broekie & Hastings, 1713 Sansom street, Philadelphia. Owner, Samuel F. Houston, Real Estate Trust Building, Philadelphia. Stone, 1 story addition, 20x36 feet and 17x35 feet, slag roof (heating reserved), electric lighting, oak and cement floors, tile work. Architects taking bids, due December 14th. Pringle Borthwick, 8018 Germantown avenue; Wm. J. Gruhler & Co., 219 East High street; J. P. Thompson, Real Estate Trust Building; Stacy Reeves & Sons, 2011 Market street, and Wm. H. Eddleman & Sons, 453 Green lane, Boxborough, are figuring.

Market House (alt.), Second street, between Lombard and South streets. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, Bureau of City Property, Department of Public Works. Steel and timber, 1 story, tin roof, cement floors, mill work, skylight, ventilators, metal window grilles. Lowest bidder, E. C. Durell, 1713 North Twenty-fourth street, \$21,575.

Caretaker's House, Clark Park, Twenty-seventh Ward, Philadelphia. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Bureau of City Property, Department of Public Works, Room 113. City Hall. Brick and plaster, 1 story, 18x12 feet, waterproofing, cement floors, slate roof. Lowest bidder, George Dobbin, 8341 Germantown avenue, \$1,190.

Residences (56), West Ashmead place, Germantown. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owners, Fletcher, McNally & Boas Co., care of architect. Brick and stucco, 2 stories, 24x26 feet, slag roof, hot water heating, electric work, gas ranges, tile work. Plans in progress.

Stores (alt.), 900 Chestnut street, Philadelphia. Architects, Ballinger & Perrot, 1700 Arch street, Philadelphia. Owners, Lea Estate, 700 Sansom street, Philadelphia. Interior alterations, marble, brick and reinforced concrete, metal sash and lath, maple and cement floors, hollow tile work, tile work, terrazzo work (heating and lighting reserved). Architects have received revised bids.

Stores (4) and Warehouse, 328-334 North Fourth street, Philadelphia. Architects, Milligan & Pierson, 520 Walnut street, Philadelphia. Owner, John B. Cancelmo, 127 Dock street, Philadelphia. Brick, 2 stories, 64x80 feet, slag roof, combination lighting. Owner taking bids. Tony Bressi, 702 South Sixth street, and Henry C. Dahl, 231 South Eighth street, are figuring.

Machine Shop, north side of Sedgley avenue, east of Gratz street. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Wiedemann Machine Co., on premises. Brick, steel and concrete, 1 story, slag roof, metal sash, concrete floor, electric lighting. Architects have received bids.

Sunday School, Greene street, Germantown. Architects, Day & Klauder, 925 Chestnut st., Philadelphia. Owners, Second Church of Christian Scientist. Brick and hollow tile, stone trim, 2 stories, 68x75 feet, slag and tile roof, steam heating, electric lighting, metal lath, cement and pine floors, asphalt paving, fire doors, safety treads, marble work. Architects taking revised bids, due December 13th. Jacob Myers & Sons Co., Witherspoon Building; J. S. Cornell & Son, Land Title Building; R. C. Ballinger & Co., 218 North Thirteenth street; A. R. Raff Const. Co., 1635 Thompson street, and Matthews Const. Co., Princeton, N. J., are figuring.

Warehouse "C" (alt.), Girard Point, Philadelphia. Assistant engineer, J. F. Cullen, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Concrete piers, pine floors. Owners have received bids.

Church and Sunday School, Fiftieth and Locust streets, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, First Reformed Church, care of Rev. E. R. Appenzeller, 433 South Fifty-first street, Philadelphia. Stone, 2 stories, 75x130 feet, slate roof (steam heating and electric lighting reserved), pine floors, metal lath, waterproofing and dampproofing, cabinet work, tile work. Plans in progress. Architect ready for bids in two weeks.

Residence, City Line and Church road. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Joseph Gillman, West End Trust Building, Philadelphia. Brick, 2½ stories. Architects have received bids.

Factory and Boiler House, Stenton avenue and Philadelphia and Reading Railway, Wayne Junction, Philadelphia. Architect, private plans. Owners, Ferguson Carpet Co., Wayne avenue and Philadelphia and Reading Railway. Brick and reinforced concrete, 1 story, 65x281 feet, slag roof, steam heating, electric lighting, cement floors, metal sash, steel and fire doors, sprinklers, asphalt paving. Owners have received bids.

Patrol Garage and Completion of Fire House and Police Station, Hunting Park avenue and Schuyler street. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, Room 215, City Hall. Brick, 1 story, 30x40 feet, tile roof, cement floors, metal lath, metal lockers (plumbing, heating and electric work separate bids). Owners ready for bids, due December 18th. Plans may be obtained from architects' office.

Subway Station, Broad and Market streets, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, care of Director Wm. S. Twining, Bourse Building, Philadelphia. Concrete, steel and brick, 300x106 feet, 50 feet deep, waterproofing, dampproofing, skylights, safety treads, iron stairs. Lowest bid submitted by the Keystone State Const. Co., Pennsylvania Building, Philadelphia, \$920,130.

Packing Plant (alt. and add.), West Philadelphia Stockyards, Thirtieth and Race sts. Architect, C. B. Comstock, 110 West Fortieth street, New York City. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, steel and concrete, 2 stories, 61x125 feet, asbestos, reinforced concrete and composition roof, metal sash, waterproofing, fire doors, ventilators, reinforced concrete and brick floors, hollow tile, elevators, rolling steel doors. Owners have received bids.

Commercial Museum (alt.), Thirty-fourth and Spruce streets, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, for Automobile Trade Association, Broad and Callowhill streets. Consists of grand stands and booths. Architect taking bids. Abel Bottoms & Sons Co., 3611 Walnut street; Mitchell Bros., 2125 Race street; P. J. Hurley, 1233 Cherry street, and A. R. Raff Const. Co., 1635 Thompson street, are figuring.

Surgical Pavilion (completion), Thirty-fourth and Spruce streets. Architects, Broekie & Hastings, 1713 Sansom street, Philadelphia. Owners, Trustees of the University of Pennsylvania, on premises. Brick, stone, hollow tile, concrete, first floor and basement, 90x115 feet, felt and asphalt roof, cement, terrazzo and oak floors, metal lath, fire doors, weather strip, cabinet work, marble work (heating, ventilating and electric work reserved by owners). Architects taking revised bids, due December 13th. F. E. Wallace,

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1220 Chancellor street; Irwin & Leighton, 126 North Twelfth street; George & Borst, 277 South Eleventh street; Pomeroy Const. Co., 1609 Ranstead street; Jacob Myers & Sons Co., Witherspoon Building, and Stacy Reeves & Sons, 2011 Market street, Philadelphia, are figuring.

Residence, Broad street, south of Cheltenham avenue, Philadelphia. Architect, private plans. Owner, Mrs. Ottillie Young, care of builder. Brick, 3 stories, 18x56 feet, slag, tin and asbestos shingle roof, hot water heating, electric lighting, hardwood floors, tile work. F. E. Wallace, 1220 Chancellor street, is taking sub-bids.

Residence (alt. and add.), 477 Locust avenue, Germantown. Architect, Walter F. Price, 714 Walnut street, Philadelphia. Owner, Walter P. Shipley, 477 Locust avenue, Germantown. Brick and plaster, 2 stories, tin roof (heating reserved), electric lighting, parquetry and pine floors, tile work. Architect has received bids.

Twin Residences (15), and Garages, Sansom street, between Forty-seventh and Forty-eighth streets, Philadelphia. Architect, private plans. Owner, N. Raidman, 5208 Walnut street, Philadelphia. Brick, 2 stories, 16x60 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner will be ready for sub-bids early in 1917.

Office Building, Frankford Yards, Philadelphia. Architect, Maintenance of Way Department, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 2 stories, 15x55 feet, slag roof, steam heat, electric light, composition, cement and pine floors, tile and marble work. Owners, care Philadelphia Terminal Division, taking bids, due December 12th.

Residence, 517 Cypress street, Philadelphia. Architect, J. Ethan Fieldstein, Hale Building, Philadelphia. Owner, Simon Mogul, 329 South Fifth street, Philadelphia. Brick, 2 stories, 17x44 feet, slag roof, hot air heating, electric lighting, pine floors, tile work. Plans completed. Owner ready for sub-bids on all lines.

Bank and Office Building, 1518 Walnut st., Philadelphia. Architect not yet selected (competition). Owner, E. M. Harris, 2214 Chestnut street, Philadelphia. Brick, stone, steel and terra cotta, 12 or 14 stories, 39x120 feet, slag roof. Details not decided.

Residences (56), West Ashmead place, Germantown. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owners, Fletcher McNally & Boas Co., Inc., northeast corner Broad and Race streets. Brick and stucco, 24x30 feet, slag roof, hot water heating, hardwood floors, electric lighting. Owners ready for sub-bids.

Residences (42), north side of Olney avenue, west of Broad street. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, McBain & Hart, Inc., Broad and Olney avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owners and architect taking sub-bids on revised plans.

Residences (50), Chester avenue, Allman street and Sixty-fifth street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut st., Philadelphia. Owner, Abraham Farber, care of Mr. M. Dudnick, 510 Lincoln Building, Philadelphia. Brick (9), 15x40 feet, (21) 15x42 feet, and (20) 16x32 feet. Airlite, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids on all lines.

Warehouses (2), Swanson and McKean sts., Philadelphia. Architect, Wm. C. Furber, 418 Walnut street, Philadelphia. Owners, India Refining Co., Swanson street and McKean street. Brick and stone, 2 stories, 90x120

feet, slag roof, electric light. Architect about ready for sub-bids.

Playgrounds (5), Philadelphia, Pa. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Room 587, City Hall. Shelter buildings, 1 story, frame, 24x42 feet, asbestos shingle roof, cement floors (plumbing separate bids), swimming pool, iron fences and gates, cement walks, grading and surfacing. Lowest bidders as follows: Mitchell Bros., 2125 Race street, Twenty-fourth and Jackson streets, \$3,985; Wm. Mundy, 228 South Alder street, Sixth and Christian sts., \$4,550; George Dobbin, 8341 Germantown avenue, Whitehall Commons, \$1,998; M. & J. B. McHugh, 892 North Markoe street, Francis and Shirley streets, \$4,400; H. E. Baton, Twelfth and Sansom streets, Cedar and Cambria streets, \$46,300.

Factory, southeast corner of Front and Allen streets, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, Simon Sionsky, 933 North Front street, Philadelphia. Brick, slow burning, 4 stories, 36x120 feet, steam heating, electric lighting, metal sash, fire doors (heating reserved). Architect ready for sub-bids on all lines.

Residences (250), Torresdale and Kensington avenues, Philadelphia. Architect, private plans. Owners, J. Merit Realty Co., Inc., 3716 Kensington avenue, Philadelphia. Brick, 2 stories, 15 and 16 feet by 35 and 40 feet, slag roofs, hot water heating, electric lighting, hardwood floors, tile work. Owners will take sub-bids in one month.

Residences (214), Kensington avenue and N street. Architect, private plans. Owners, J. Merit Realty Co., Inc., 3716 Kensington avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hot water heating, hardwood floors, electric lighting. Work contemplated. Owners will sub-let all contracts.

Loft Building, 117-19 North Tenth street, Philadelphia. Architect not selected. Owners, Snyder & Co., 134 North Tenth street, Philadelphia. Brick and steel or slow burning construction, 5 or 6 stories, 30x100 feet, slag roof. Work contemplated for spring of 1917. Details not decided.

Dye House, Levering and Wilde streets, Manayunk, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Fred Pearson & Co., Inc., on premises. Brick and concrete, 1 story, 55x111 feet, slag roof. Plans in progress. Details not decided.

Dye House, Hancock and Berks streets, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Walter E. Knipe & Sons, on premises. Brick and concrete, 1 story, 54x89 feet, slag roof. Plans in progress. Details not decided.

Residence (alts.), 1809 Erie avenue, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Louis Bacharach, 2240 North Twentieth street, Philadelphia. Consists of general interior alterations, electric lighting, hardwood floors, tile work. Architect taking bids, due December 15th at 10 A. M. The following are figuring: Lam Building Co., 1001 Wood street; Freund Const. Co., Bulletin Building; Thos. Little & Son, 1713 Moravian street; Smith-Hardican Co., 1606 Cherry street; E. E. Hollenbach, Fifteenth and Race streets; Harry Gill, Jr., 2515 Germantown avenue, and Frank G. English, 1610 North Carlisle street.

Pier, Delaware River, foot of Cherry street, Philadelphia. Engineer, Norman L. Stamm, Bourse Building, Philadelphia. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, 550 Bourse Building, Philadelphia. Substructure (concrete on wood piles), superstructure (steel and concrete), 100 536 feet, A. P. M. roofing, asphalt, vitrified brick and granite floors, metal sash, waterproofing, kalamein doors, rolling steel doors (plumbing, heating and lighting separate

bids). Owners taking bids, due December 21st at noon. Armstrong & Latta, Land Title Building, and Snare & Triest Co., Snyder avenue and Delaware River, are figuring.

Residences and Garages (16), Seventy-fourth avenue and Ogontz avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Mahon & Clearwater, 913 Northeast Boulevard, Philadelphia. Brick, 3 stories, 16x56 feet, stone and plaster, shingle or tile roofs, hot water heating, electric lighting, interior marble work; garage, 1 story, brick, 16x16 feet, slag roof, concrete floors. Owners ready for sub-bids on all lines.

Garage, 115 West Seymour avenue, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner's name withheld. Stone, 1 story, 60x86 feet, slag roof, electric lighting, steam heating, concrete floors, storage system. Architects taking bids, due December 19th. Freund Const. Co., Bulletin Building; John McShane, 1610 North street; Stacy Reeves & Sons Co., 2011 Market street; Smith-Hardican Co., 1606 Cherry street; Hogg Const. Co., 1634 Sansom street; and Frank Hark Cont. Co., Inc., 2820 North Twenty-first street, are figuring.

Office Building (new) and Operating Building (alt. and add.), Cheltenham and Germantown avenues, Germantown. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Brick, steel, reinforced concrete and terra cotta, 3 stories, 90x138 feet, slag, slate and tile roof; hot water heating, electric lighting, metal lath, metal sash and casements, waterproofing, fire doors, safety treads, tile and marble work, cement and terrazzo floors, hollow tile, elevators, cabinet work. Owners taking bids, due December 26th. Irwin & Leighton, 126 North Twelfth street; F. L. Hoover & Sons, 1023 Cherry street; Cramp & Co., Denckla Building; H. E. Baton, Twelfth and Sansom sts., and Jacob Myers & Sons Co., Witherspoon Building, are figuring.

Store and Apartment, Rising Sun lane and Boulevard, Olney. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Frank P. Felton, Jr., Thirteenth and Chestnut streets, Philadelphia. Brick, 2 stories, slag roof, electric lighting (heating not decided), concrete floor. Architects taking bids, due December 20th. The following are figuring: Alfred Steinhauser, 5424 North Fifth street, Olney; C. West & Co., Oxford and Wakeling streets; George Kessler Cont. Co., Drexel Building; Thos. M. Seeds, Jr., Co., 1207 Race street, and F. Elvidge & Son, 5522 Germantown avenue; Wilfred Robinson, 7319 I street, Fox Chase, Pa.

Garage (alt.), Broad and Melon streets. Architect, private plans. Owner, Samuel Gerson, 232 North Broad street, Philadelphia. Brick, 2 stories, steam heating, cement floors, elevator. Owner taking bids, due December 14th. Freund Const. Co., Bulletin Building; Bailey Lush Co., 201 North Broad street, and J. C. Haldeman, Pleasant avenue, Chestnut Hill, Pa., are figuring.

Club House, 1809-17 Ranstead street, Philadelphia. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Musical Art Club, care of L. Stauffer Oliver, chairman Building Committee, 102 South Seventeenth street, Philadelphia. Brick, steel and reinforced concrete, 4 stories, 70x50 feet, slag roof, hardwood floors, cabinet work, tile and marble work (plumbing, heating and electric work reserved). Plans in progress.

Storage Shed, North Philadelphia. Architect, private plans. Owner's name withheld. Steel and asbestos protected metal, 1 story, 80x152 feet, asbestos protected metal roof, plank floors, 5 ton craneway, rolling doors. John V. Speth & Co., 1714 Sansom street, Philadelphia, taking sub-bids.



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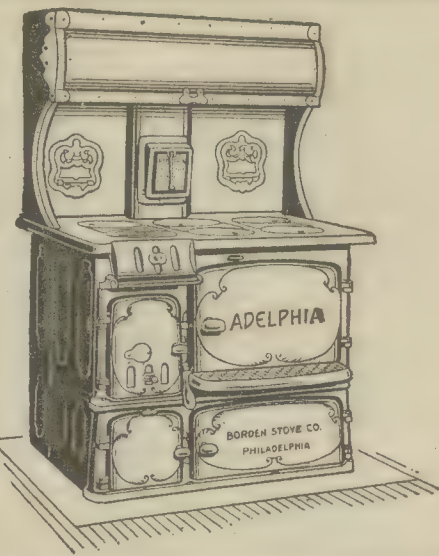
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Store (alt.), 619 Market street, Philadel-
phia. Architect, private plans. Owners,
Gately & Fitzgerald, 438 Market street, Phil-
adelphia. Brick, 5 stories, consists of interior
alterations, elevator, new bulks, store fixtures.
Contract awarded to Charles McCaul Co., 1713
Sansom street.

Garage (alt. and add.), Chestnut avenue,
Chestnut Hill, \$1,800. Architect, private
plans. Owner, Morgan Hebard, on premises.
Brick and plaster, 1½ stories, 22x24 feet,
shingle roof, cement floors. Contract award-
ed to Thomas M. Seeds, Jr., & Co., 1207 Race
street.

Store and Office Building (alt. and add.),
southeast corner of Sixteenth and Walnut sts.
Architects, Watson & Huckel, 1211 Walnut
street, Philadelphia. Owners, Maxwell & Ber-
let, southeast corner of Sixteenth and Walnut
streets, Philadelphia. Brick, 4 stories, slag
roof, hot water heating, pine floors, metal
sash, fire doors, metal window guards (plumb-
ing and heating reserved). Contract awarded
to A. H. Williams' Sons, 419 Locust street,
Philadelphia.

Hospital (add.), Twentieth and Allegheny
avenue, Philadelphia. Architects, Drucken-
miller & Williams, Land Title Building, Phil-
adelphia. Owners, Women's Homeopathic
Hospital, on premises. Brick and stone (new
sun parlor), 1 story and basement, 20x40 feet,
slate roof, skylights, steam heating extension,
electric lighting. Contract awarded to F. L.
Hoover & Son, 1023 Cherry street, Philadel-
phia.

Store and Residence (alt.), 1924 Arch st.,
Philadelphia, \$4,000. Architect, private plans.
Owners, R. R. Bringham & Co., 38 North
Eleventh street, Philadelphia. Brick, new
first floor front, general interior alterations,
pine floors, new bulks, store fixtures. Con-
tract awarded to Charles J. W. Platt, 1015
Arch street, Philadelphia.

Garage, 705-707 South Philip street, Phila-
delphia, \$6,500. Architect, H. E. Hahn, 1112
Chestnut street, Philadelphia. Owners, S.
Klaroff & Sons, 712 South Second street, Phil-
adelphia. Brick, 1 story, 42x50 feet, steam

heating, composition roof, electric lighting,
cement floors, metal sash, gasoline storage.
Contract awarded to Wm. R. Dougherty, 1610
Sansom street, Philadelphia.

Group House, Yeadon, Pa., \$30,000. Archi-
tect, Jesse T. Hoekstra, 3612 South Eighty-
fourth street, Philadelphia. Owner, Theo.
Presser, 1710 Chestnut street, Philadelphia.
Brick and plaster, 2½ stories, 20x27 feet, tile
or shingle roof (heating reserved), electric
lighting, pine floors, tile work. Contract
awarded to Wills Ludwick Co., 34 South Sev-
enteenth street, Philadelphia.

Garage, St. Martins, Pa., \$6,000. Architect,
Walter Thomas, 130 South Fifteenth street,
Philadelphia. Owner, J. Harris Warthman,
St. Martins, Pa. Hollow tile and stucco, 1½
stories, 40x25 feet, shingle roof, steam heat-
ing, electric lighting, cement floors. Contract
awarded to Alfred James, Bala, Pa.

Day Nursery (alt. and add.), 5918 Morton
street, \$4,000. Architect, Herbert G. Weth-
erill, 10 South Eighteenth street, Philadel-
phia. Owners, Morton Street Day Nursery,
on premises. Brick, consists of new fire tow-
er, slag roof, cement floors and canvas floors,
plumbing, roof garden. Contract awarded to
Wm. C. Wright, 22 Harvey street, German-
town.

Store (alts.), northeast corner Thirteenth
and Arch streets, Philadelphia. Architect,
Henry L. Reinhold, Jr., 1309 Arch street,
Philadelphia. Owners, Carey Bros. Wall Pa-
per Manufacturing Co., 1023 Filbert street.
Consists of new partitions, mezzanine floor,
balcony, steam heating, electric lighting and
plumbing. Contract awarded to Joseph Wil-
liams, 2414 Allegheny avenue.

Machine Shop, Delaware avenue and Mif-
flin street, Philadelphia, \$7,600. Architect,
private plans. Owners, David Berg Distill-
ing Co., Delaware avenue and Tasker street.
Brick and concrete, 1 story, 50x84 feet, slag
roof, plank floors, metal sash, fire doors, roll-
ing steel shutters. Contract awarded to Jos.
Levin Co., 1530 South Sixth street.

Office Building (add.), southwest corner of
Tenth and Chestnut streets, \$500,000. Archi-

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teet, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Philadelphia Electric Co., on premises. Brick, steel and stone, 9 stories, 38x200 feet, slag roof, steam heating, electric lighting, metal lath, waterproofing, fire doors, tile and marble work, elevators, cabinet work, terrazzo work. Contract awarded to John R. Wiggins & Co., Heed Building, Philadelphia.

Commercial Museum (alt.), Thirty-fourth and Spruce streets, Philadelphia, \$2,000. Architect, Philip S. Tyre, 1509 Arch street,

Philadelphia. Owner, for Automobile Trade Association, Broad and Callowhill streets. Consists of grand stands and booths. Contract awarded to A. R. Raff Const. Co., 1635 Thompson street.

Garage (alt. and add.), 5936 Greene street, Germantown. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Dr. Robert Perry Cummins, on premises. Brick, consists of new front, 1 story. Contract awarded to Wm. J. Gruhler Co., 219 East High street, Germantown.

PENNSYLVANIA Construction News

Residences (70), Coatesville, Pa. Architect, W. Leslie Walker, 103 Park avenue, New York City. Owners, Worth Bros. Co., Coatesville, Pa. Brick and stucco, 2 and 2½ stories, 20x24 feet, 21x28 feet and 23x26 feet, slate roof, pine floors, metal lath (plumbing, heating and lighting reserved). Architect has received bids.

Twin Residences, Kempton, Pa., \$5,000. Architect, C. J. Young, Reading, Pa. Owner, Amos S. Gremawalt, Reading, Pa. Frame and brick, 2½ stories, 36x40 feet, slate and tin roof, hot air heating, electric lighting. Ready for bids.

Open Air School (add.), Eighth below Chestnut street, Reading, Pa. Architect, F. Muehlenberg, Reading, Pa. Owners, Penn Optical Co., Reading, Pa. Hollow tile, corrugated asbestos, 1 story, 40x30 feet, asbestos roof, tile floors. Plans in progress.

Store Building, Pottsville, Pa., \$20,000. Architect, H. J. Maurer, Reading, Pa. Owners, Miller & Miller, Pottsville, Pa. Brick, terra cotta and steel, 3 stories, 30x92 feet, slag roof, steam heating, electric lighting, metal lath and sash, dampproofing, ventilators, safety treads, tile floors, store fixtures, terrazzo work, metal window guards. Plans in progress.

Residence, Wyomissing, Pa., \$25,000. Architect, H. J. Maurer, Reading, Pa. Owner, Wm. H. Hendel, Reading, Pa. Brick and stucco, 2½ stories, 41x85 feet, tile roof, hot water heating, electric lighting, hardwood and tile floors, cabinet work, tile and marble work. Plans in progress.

Residence, Fleetwood, Pa., \$5,000. Archi-

tect, Wayne M. High, 11 North Fifth street, Reading, Pa. Owner, Harry Ulrich, Fleetwood, Pa. Brick and stone, 2½ stories, 29x36 feet, slate roof, hot water heating, electric lighting, tile work. Architect taking sub-bids on all lines.

Residences (20), Coatesville, Pa. Architect, W. Leslie Walker, 103 Park avenue, New York City. Owners, Worth Bros. Co., Coatesville, Pa. Brick and plaster, 2½ stories, 27x25 feet, 24x30 feet, 28x27 feet, 30x22 feet, slate roofs, metal lath, waterproofing, tile work, pine floors (heating, plumbing and lighting reserved). Architect has received bids.

Residence, Glenside, Pa. Architect, Oliver Randolph Parry, 1631 Chestnut street, Philadelphia. Owner, John E. Wetzel, 7041 Torresdale avenue, Philadelphia. Hollow tile, 2½ stories, 38x46 feet, shingle roof, electric lighting, hardwood floors, tile work, heating not decided. Architect taking bids, due December 13th at noon. The following are figuring: Linford Sperry, Alexander Thompson and Krusen Bros., all of Glenside; Frank H. Deitrich, H. and Potter streets, and J. W. Orr, 6618 Torresdale avenue, Philadelphia.

Parish House, Harrisburg, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, M. E. Church, Stevens Memorial, Harrisburg, Pa., care of Mr. Al K. Thomas, East End Bank, Harrisburg, Pa. Brick, 2½ stories, 32x53 feet, composition roof, steam heat, electric light, maple floors, metal lath, dampproofing. Owners have received bids.

Residence (alt. and add.), 118 Upland Ter-

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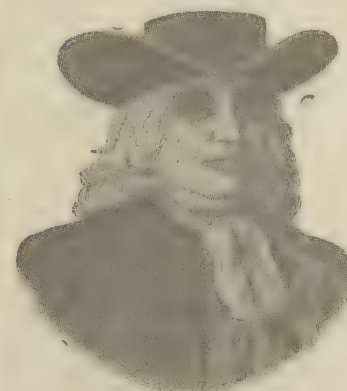
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race, Bala, Pa. Architect, E. H. Yardley, Bala, Pa. Owner, George B. McKinney, on premises. Stone and plaster, 2½ stories, tin and slate roof, mill work, electric lighting, cement floors, brick paving (plastering, roofing reserved). Architect taking bids, due as soon as possible. F. B. Davis, 240 North Sixteenth street, Philadelphia, is figuring.

Residence and Garage, Merion, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, Charles C. Gano, 6207 Carpenter street. Stone, 2½ stories, 31x100 feet, slate roof, hot water heating, electric lighting, hardwood floors, tile work, cement work. Plans about completed. Architects will take bids in about one week.

Residence, Haverford, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, F. H. Mahan, Ardmore, Pa. Stone, 2½ stories, 30x90 feet, slate roof, hot water heat, electric lighting, hardwood floors, tile work. Plans in progress.

Bungalow (add.), Jenkintown, Pa., \$3,000. Architect, Mechanical Department, John Wanamaker, owner, Thirteenth and Chestnut sts., Philadelphia. Frame, 2 stories, 22x26 feet, shingle roof, pine floors (plumbing, heating and lighting reserved). Owner taking bids, due December 16th. Specht & Sperry, Heed Building, are figuring.

Residences (28), Keystone avenue, near Sixty-ninth street, Darby, Pa. Architect, private plans. Owners, Howard L. Love and Alonzo Thomson, Upper Darby, Pa. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owners will take bids in about one month.

Store (2), Show Room, Shop and Garage, West Chester pike, above Sixty-ninth street, Darby, Pa. Architect, E. Kenney Crothers, Jr., Sixtieth and Elmwood avenue. Brick, 2 stories, 72x210 feet, slag roof, hot water heating, electric lighting, cement and pine floors, metal sash, gasoline storage system. Plans in progress. Architect will take general and sub-bids in one week.

Residence, Penn avenue, Drexel Hill, Pa. Architect, E. Kenney Crothers, 5215 Chestnut street, Philadelphia. Owner, Harry L. Wymond, 2118 Spring Garden street, Philadelphia. Stone and plaster, 3 stories, 54x34 feet, asphalt shingle roof, hot water heating, electric lighting, hardwood floors, tile work. Plans in progress. Architect will take sub-bids in one week.

Residence, St. George's road, Ardmore, Pa., \$12,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street, Philadelphia. Owner's name withheld. Brick, 2½ stories, 30x45 feet, slate or shingle roof, wing 20x25 feet, hot water heating, electric lighting, hardwood floors. Architects taking bids, due December 22nd. James H. Wells, Heed Building; Specht & Sperry, Heed Building; Graham-Campion Co., J. Sims Wilson, 1125 Brown street; E. J. Hedden, Finance Building; A. L. Fretz & Son, 1220 Chancellor street, and Chas. C. Pace, Merion, Pa., are figuring.

Bungalow (add.), Lindenhurst, Pa., \$3,000. Architect, Mechanical Department, John Wanamaker, Thirteenth and Chestnut streets. Owner, John Wanamaker, Thirteenth and Chestnut streets, Philadelphia. Frame, 2 stories, 22x26 feet, shingle roof, pine floors, tile work (plumbing, heating and lighting reserved). Owners taking bids, due December 16th. In addition to those reported, Thos. C. Trafford, 1613 Sansom street, and F. L. Hoover & Sons, 1023 Cherry street, are figuring.

Store (add.), Blackberry avenue, Harrisburg, Pa. Architect, George H. Grove, 243 Walnut street, Harrisburg, Pa. Owners, Rolles & Belehas, on premises. Brick and

steel, 1 story addition, 26x86 feet, tin roof, steam heating, electric lighting, metal sash, elevators, 3 ventilators. Owner sub-letting all contracts.

Residence, Carlisle, Pa., \$15,000. Architect, R. R. Markley, Patriot Building, Harrisburg, Pa. Owner, Dr. H. A. Spangler, Carlisle, Pa. Brick and stone, 2½ stories, 38x45 feet, slate roof. Architect will be ready for bids in about two weeks.

Residence, Stearett's Gap, Pa., \$10,000. Architect, R. R. Markley, Patriot Building, Harrisburg, Pa. Owner, Miss Mary Noreros, Carlisle, Pa. Frame, 3 stories. Plans in progress.

Residence, Market and Prospect streets, Harrisburg, Pa., \$16,000. Architect, F. Y. Fahnestock, Jr., Patriot Building, Harrisburg, Pa. Owner, H. I. Colton, 1825 Whitehall st., Harrisburg, Pa. Stone, hollow tile, 2½ stories, 29x60 feet, slate roof, hot water heating, electric and gas lighting, hardwood and composition floors, metal trim, tile and marble work, cabinet work. Plans in progress.

Office Building, Lancaster, Pa., \$35,000. Architect, J. B. Harmon, 48 North Queen st., Lancaster, Pa. Owner's name withheld. White glazed terra cotta, brick, steel, 3 or 6 stories, 100x72 feet, composition roof, hot water heating, electric lighting, metal lath, dampproofing and waterproofing, composition floors, elevators, tile and marble work. Plans in progress.

Club House, Mt. Wolf, Pa., \$20,000. Architect, private plans. Owners, American Wire Fabrics Co., Mt. Wolf, York, Pa. Brick, 2 stories, 50x100 feet, composition roof, steam heating, electric lighting, hardwood and composition floors, metal lockers, waterproofing, gymnasium and swimming pool. Plans in progress.

Store and Apartment, Fourth and Locust streets, Columbia, Pa., \$40,000. Architect, Granville Paules, Columbia, Pa. Owners, Herr & Co., Lancaster, Pa. Reinforced concrete and brick, 4 stories, 100x53 feet, composition roof, steam heating, electric lighting, metal lath, fixtures, tile and marble work. Plans in progress.

Residences (3) and Garages (3), Fourth and Morton streets, Chester, Pa. Architect, private plans. Owner, Frank Sheridan, care of H. C. Flomenhoff, 727 Walnut street. Brick, 2 stories, 18x40 feet, slag roof, hot water heating, electric lighting. Owner ready for sub-bids.

Stores (4) and Residences (6), northwest corner of Third and Franklin streets, Chester, Pa. Architect, private plans. Owner, Frank Sheridan, care of H. C. Flomenhoff, 727 Walnut street, Philadelphia. Brick, 2 stories, 19x45 feet, slag roof, hot water heating, electric lighting. Owner ready for sub-bids.

Factory, York, Pa., \$100,000. Architect, J. B. Harman, 48 North Queen street, Lancaster, Pa. Owners, Bell Motor Car Co., York, Pa. Reinforced concrete, brick and stone. Boiler house, 1 story, 40x35 feet; office, 2 stories, 40x40 feet; machine shop, 1 story, 200x108 feet; assembling building, 1 story, 350x108 feet; paint storage building, 1 story, 250x108 feet; 20-foot platform around all buildings; reinforced concrete, steam heating, electric lighting, concrete floors, metal sash, waterproofing, fire doors, metal lockers, rolling steel doors, gasoline storage. Plans in progress.

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PENNSYLVANIA

Contracts Awarded

Garage, Wyomissing, Pa. Architect, A. A. Richter, 31 North Sixth street, Reading, Pa. Owner, Max. Mittendorf, Wyomissing, Pa. Brick, concrete foundation, 1 story, 20x22 feet, slate roof, steam heating, electric lighting, concrete floors. Contract awarded to Geo. Koch, Reading, Pa.

Office Building, Jenkintown, Pa. Architect, Laurence V. Boyd, Harrison Building, Philadelphia. Owners, Philadelphia and Suburban Gas and Electric Co., Jenkintown, Pa. Stone, 1 story, 30x60 feet, slag roof, steam heating, electric lighting. Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

Telephone Exchange (alt.), Pittsburgh, Pa., \$35,000. Architect, private plans. Owners, District Telephone Co., Pittsburgh, Pa. Consists of kitchen, dining room, refrigerating and laundry equipment. Contract awarded to R. J. Kerr & Co., Farmers' National Bank, Pittsburgh, Pa.

Garage, Woodland road, Rydal, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Charles McInnes, on premises. Frame, 1½ stories, 38x32 feet, shingle roof, cement and pine floors, metal lath (heating, plumbing, electric light reserved). Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

Store and Apartments, 30 South Fourth street, Harrisburg, Pa., \$6,000. Architect, Geo. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, Nathan Cohen, Sixth and Briggs

streets, Harrisburg, Pa. Brick and steel, 3 stories, 12x48 feet, tin roof, steam heating, electric lighting, hardwood and tile floors. Contract awarded to M. H. Gettys, Harrisburg, Pa.

Stores (4), Fourth and Market streets, Chester, Pa., \$25,000. Architect, private plans. Owner, K. Schwartz, Seventh and Edgmont streets, Chester, Pa. Brick and terra cotta, 2 stories, 23x75 feet, slag roof, hot water heating, electric lighting, metal ceilings, hardwood floors, tile and marble work, terrazzo work. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Factory, Tacony, Pa., \$30,000. Engineer, H. C. Eisenbise Co., Pennsylvania Building, Philadelphia. Owners, H. L. Gilmer Co., Tacony, Philadelphia. Brick, slow burning construction, 2 stories, 50x160 feet, slag roof, steam heating, electric lighting. Contract awarded to Nickson-Duggan Const. Corp., 1218 Chestnut street, Philadelphia.

Club House, Reading, Pa., \$100,000. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owners, Wyomissing Club, Reading, Pa. Brick, stone trimmings, 4 stories, 136x48 feet, slate and tin roof, steam heating, electric lighting (asbestos or composition, oak, concrete and maple floors, metal lath, dampproofing, cabinet work, tile and marble work (elevator, dumb waiter reserved). Contract awarded to Beard Const. Co., Berks County Bank Building, Reading, Pa.

NEW JERSEY

Construction News

Factory (alt.), Factory and Warren streets, Trenton, \$30,000. Architect, J. Osborne Hunt, 114 North Montgomery avenue, Trenton, N. J. Owners, Hilderbrandt Ice Cream Co., 19 West State street, Trenton. Brick, steel and concrete, 4½ stories, 170x78 feet, tile roof, steam heat, electric lighting, metal lath and sash, waterproofing, fire doors, asphalt and tile floors, elevators, metal lockers. Will sub-let all contracts.

House of Detention (add.), Trenton, N. J., \$110,000. Architect, George S. Drew, State House, Trenton, N. J. Owners, New Jersey State Hospital, Warden Atchley, Trenton, N. J. Reinforced concrete and brick, 3½ stories, and 2½ stories, 30x160 feet and 35x149 feet, slag roof, reinforced concrete, composition and tile floors, steam heat, electric light, metal lath and sash, waterproofing, fire doors, safety treads, hollow tile, metal lockers. Plans in progress.

Dormitory, Trenton, N. J., \$40,000. Architect, George S. Drew, State House, Trenton, N. J. Owners, New Jersey School for Mutes, State Board of Education. Brick and hollow tile, 3½ stories, 135x112 feet, slag roof, steam heating, electric lighting, metal lath, reinforced concrete, tile and composition floors, hollow tile, metal lockers, weather strip, safety treads. Plans in progress.

Factory (add.), Perry street, Trenton, N. J. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Thos. Maddock & Sons Co., Perry street, Trenton,

N. J. Brick, 3 stories, 70x23 feet, slag roof, steam heat, electric light, fire doors, elevators. Ready for bids in a week.

Warehouse, Olden avenue and Parker street, Trenton, N. J., \$10,000. Architect, J. Osborne Hunt, 114 North Montgomery avenue, Trenton, N. J. Owners, Manufacturers' Selling Co., Broad State Building, Trenton. Brick, 1 story, 40x100 feet, 50x50 feet, slag roof, steam heat, electric light, rolling steel doors. Architect has received bids.

Garage, Greenwood avenue and Chambers street, Trenton, N. J., \$8,500. Architect, J. Osborne Hunt, 114 North Montgomery avenue, Trenton, N. J. Owner, Ed. C. Bowers, Greenwood and Chambers street, Trenton, N. J. Brick and steel, 2 stories, 60x75 feet, slag roof, steam heat, electric light, concrete floors, metal sash. Architect has received bids.

Club House (alt. and add.), 635-37 Market street, Camden, \$15,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, Camden Lodge, No. 111, L. O. O. M., on premises. Brick and concrete, 1 and 3 stories, tile and slag roof, steam heat, electric lighting, metal lath, dampproofing, fire doors, ventilators, safety treads, tile and marble work, North Carolina pine floors, hollow tile, metal lockers, cabinet work, dumb waiters (heating reserved). Architects ready for bids.

Parish House, Collingswood, N. J., \$9,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owners, Holy

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Trinity P. E. Church, Rev. J. Wallis Ohl, rector. Hollow tile and stucco, 1 story and basement, 31x70 feet, slate roof, hot water heating, combination lighting, metal lath, safety treads. North Carolina pine floors, hollow tile. Plans in progress. Will take bids about January 5th.

Municipal Pier, Amusement Building and Auditorium, Stone Harbor, N. J. Architect, Henry L. Reinhold, 1309 Walnut street, Philadelphia. Owner's name withheld. Pier, wood and steel, 200x100 feet; amusement building and auditorium, frame, 2 and 1 stories, shingle and slag roofs. Preliminary plans about to be started. Too early for details.

High School, Bridgeton, N. J., \$125,000. Architect, E. Z. Scholl, 31 North Sixth street, Reading, Pa. Owners, Bridgeton School Board, Bridgeton, N. J. Stone or brick, reinforced concrete, 2 stories and basement, 215x80 feet, slag roof, steam heat, electric light, metal lath, waterproofing and dampproofing, fire doors, ventilators, safety treads, tile and marble work, reinforced concrete floors, metal lockers, cabinet work. Will be ready for bids about January 10th.

Tea Room and Dwelling, Stone Harbor, N. J. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Miss Mary E. Leeds, Moorestown, N. J. Frame, 2 stories, 27x52 feet, shingle roof, electric lighting. Preliminary plans in progress.

Theatre (add.), Toms River, N. J. Architects, Hoffman Co., Finance Building, Philadelphia. Owner, J. C. McClanehan, Toms River, N. J. Concrete, brick, 3 stories, 45x45 feet and 20x30 feet, slag roof, steam heating, electric lighting, metal lath, metal ceilings, tile and marble work. Plans about completed. Owner taking sub-bids.

Factory, Atlantic City, N. J. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Charles Parke, Atlantic City, N. J. Brick, 1 story, 63x110 feet, slag roof, electric lighting. Architect will be ready for bids in a few days.

New Jersey

Contracts Awarded

Warehouse, Trenton, N. J. Architect, H. D. BBest Co., 25 Vanderbilt avenue, New York City. Owners, Standard Oil Co. of New Jersey, Trenton, N. J. Reinforced concrete and hollow tile, 2 stories, 50x105 feet, slag roof, steam heat, electric lighting, metal lath and sash, waterproofing, fire doors, ventilators, skylights, safety treads, reinforced concrete floors, hollow tile, elevators, rolling steel shutters, fire tower. Contract awarded to H. D. Best Co., New York City.

Residences (2), Riversinde Drive, Trenton, N. J., \$6,000. Architect, private plans. Owner, Edw. H. Armstrong, 231 East State street, Trenton, N. J. Brick, 2½ stories, 15x30 feet, slate and slag roof, hot water heating, electric lighting. Contract awarded to James H. Morris, Broad Street Bank Building, Trenton.

Residences (2), Riverside avenue, Trenton, N. J., \$4,000. Architect, private plans. Own-

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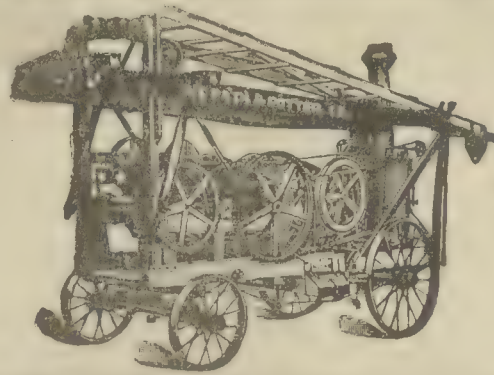
er, Louisa M. Harrold, Trenton, N. J. Brick and frame, 2½ stories, 14x32 feet, slate and tin roof, hot air heating, gas lighting. Contract awarded to Frank L. Sweeney, 566 Ruth-erford avenue, Trenton, N. J.

Garage and Stable, Riverton, N. J. Architect, J. Fletcher Street, 129 South Fifth st., Philadelphia. Owner, Robert Biddle, 2nd, Riverton, N. J. Brick, frame and concrete, 40x25 feet, 2 stories, greenhouse addition. Contract awarded to Smith & Stabely, Palmyra, N. J.

Maryland

Construction News

Freight Station, Jackson Wharf, Baltimore, Md. Architect, Maintenance of Way Department, Broad Street Station, Philadelphia. Brick, steel and concrete, 1 story, 50x180 feet, slag roof, steam heating, electric lighting, pine floors, steel doors. Plans completed. Owners, care of Baltimore Division, will take bids soon.



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Residence, Green Spring Valley, Md. Architect, Theo. W. Pietsch, American Building, Baltimore. Owner, A. Stanley Zell, 11 Mt. Royal avenue, Baltimore. Stone, brick and stucco, 2½ stories, 35x90 feet, slate roof, steam or hot water heating, electric lighting, hardwood floors, vacuum cleaning system. Will take bids in about two weeks.

Residence, Ten Hills, Md. Architect, Cyde N. Friz, Munsey Building, Baltimore. Owner, Q. O. Smith, Marine Bank Building, Baltimore. Brick and frame, 2½ stories, slate roof, electric lighting. Plans in progress. Details not decided.

Factory, Bayard and Russell streets, Baltimore, Md., \$25,000. Architect, private plans. Owners, Dixie Manufacturing Co., M. T. Lynch, vice-president, Russell and Stockholm streets, Baltimore. Brick, 2 stories, 64x120 feet, slag roof, steam heating, electric lighting. Owners are ready for bids.

Race Track Buildings and Grand Stand, Baltimore, Md., \$65,000. Architect, A. J. Wilson, Equitable Building, Baltimore. Owners, East Baltimore Driving Association, Baltimore, Md. Grand stand, 304x60 feet; building No. 1, 80x300 feet; paddock, 60x100 feet; office, 2 stories, 30x36 feet; club house, 50x30

feet. Concrete and frame, Carey asbestos shingle roof, concrete and wood floors. Plans almost completed. Will be ready for bids soon.

Bank Building, Laurel, Del. Architect, Theo. W. Pietsch, American Building, Baltimore. Owners, People's National Bank, Laurel, Del. Marble and brick, 1 story, slag roof, steam heating, electric lighting, skylights, ventilators, reinforced concrete, fireproofing, metal lath, tile and marble work; terrazzo work, hardwood floors, vacuum cleaning system, cabinet work. Architect taking bids, due December 18th. The following are figuring: Blake & Engle, D. M. Andrews Co., West Const. Co., Henry Smith & Sons, J. L. Robinson Const. Co., all of Baltimore, Md. T. H. Mitchell, Salisbury, Md., and Robert L. Elliott, Laurel, Del.

School Building (alts.), East Lombard st., Baltimore, Md. Architect, private plans. Owners, City of Baltimore, City Hall, Baltimore, Md. Consists of general interior and exterior changes to Carroll Mansion for school building, steam heating, slate roof, marble work, stone work. Lowest bid submitted by Joseph Schamberger, 2120 East Baltimore street, Baltimore, \$20,860.

MARYLAND

Contracts Awarded

Garage, 4025-41 Frederick avenue, Baltimore, Md. Architect, W. M. Merkel, 3500 Frederick avenue, Baltimore, Md. Owner, Charles Wiskow, on premises. Brick, 1 story, 30x45 feet, slag roof, electric lighting, concrete floor. Contract awarded to M. E. Groff, 251 Loudon avenue, Baltimore, who is taking sub-bids on all lines.

Residence (remodeling), Beechfield avenue, Baltimore, Md., \$4,000. Architect, Haskell & Barnes, 301 North Charles street, Baltimore, Md. Owner, R. D. Hopkins, German and Paca streets, Baltimore, Md. Consists of general interior alterations, hot water heating, electric lighting, tile baths, etc. Contract

awarded to A. Knell, Jr., 215 St. Paul street, Baltimore.

Theatre, Light and Poultny streets, Baltimore, Md., \$37,000. Architect, Oliver B. Wight, 1123 Munsey Building, Baltimore. Owners, McHenry Amusement Co., care of Henry W. Webb, Fidelity Building, Baltimore. Brick, concrete, marble trim, slag roof, metal lath, reinforced concrete work, fireproofing, sheet metal work, mosaic work, fire doors, terra cotta, fire escapes, dampproofing, ventilators, marquee (lighting and heating reserved). Contract awarded to Cogswell-Koether Co., 406 Park avenue, Baltimore.

Miscellaneous Construction News

Post Office and Court House (alt. and add.), East St. Louis, Ill. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, stone and concrete, 4 additional stories, 2 wings, 30x87 feet, slate roof, cork tile, cement, maple and oak floors, metal lath, waterproofing, damp-proofing, ventilators, safety treads, marble

work, hollow tile, weather strips, terrazzo work, rolling steel doors (plumbing, heating, ventilating and electric work separate bids). Owners taking bids, due December 22nd. Charles McCaul Co., 1713 Sansom street, Philadelphia, are figuring.

Residence (alt. and add.), Eleventh and Madison streets, Wilmington, Del. Architect, C. H. Tindall, Wilmington, Del. Owner, Dr.

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W. Springer, 811 Washington street, Wilmington, Del. Brick and hollow tile, stucco, 3 stories, 25x64 feet, slate roof, vapor heating, hardwood floors, tile work, electric lighting, metal lath, cabinet work. Plans ready for bids.

Office (alts.), Fourth and Jackson streets, Wilmington, Del. Architect, C. H. Tindall, Wilmington, Del. Owners, Charles Badenkoph Co., on premises. Consists of interior alterations, new shower baths, etc., steam heating, composition floors, electric lighting. Plans in progress.

Residence (alt. and add.), Penn avenue and Broom street, Wilmington, Del. \$15,000. Architect, E. Cranby May, Dupont Building, Wilmington, Del. Owner's name withheld. Brick, 2½ stories, 40x50 feet, shingle roof. Too early for details.

Power House, Wilmington, Del., Fifth and Adams streets. Architect, J. D. Thompson, Jr., Ford Building, Wilmington, Del. Owner, Joseph Stoeakle Brewing Co., on premises. Reinforced concrete and brick, 2 stories, 48x105 feet, slag and reinforced concrete roof, steam heating, electric lighting, metal sash, waterproofing, metal lockers. Owners taking bids, due December 13th. J. L. Bader, George Charles & Son and David Engle Co., all of Wilmington, Del., are figuring.

Miscellaneous Contracts Awarded

Garage, Delaware and Riverview avenue, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, W. O. Quayle, Wilmington, Del. Hollow tile and stucco, 2 stories, 20x30 feet, slate roof, gas heating, electric lighting, concrete floors, gasoline storage system. Contract awarded to J. E. Haley, Wilmington, Del.

Garage, Rodney street, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, C. G. Badenkopf, Wilmington, Del. Brick, 2 stories, 20x30 feet, shingle roof, gas heating, electric lighting, concrete floors, gasoline storage system. Contract awarded to J. E. Haley, Wilmington, Del.

Business Block, Syracuse, N. Y. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owners, Fayette Park Realty Corporation, Syracuse, N. Y. Brick, stone, terra cotta, reinforced concrete, steel, 2 stories, 66x144 feet, asphalt roof, steam heating, tile and composition roof, electric lighting, hollow tile partitions, 2 elevators, metal sash, fire doors, tile work, skylights, safety treads. Contract awarded to Delmonico Bros., Syracuse, N. Y.

Permits for New Buildings

Garage, 548-50-52 Rising Sun lane, \$300. James Engal (O), 4846 Leidy avenue. O.

Keenann (C), 231 Mountain street. Brick, 1 story, 10x14 feet.

Garage, Wynnefield avenue, west of Fifty-second street, \$5,000. Ricard Chwoeren (O), Fifty-second and Wynnefield avenue. Henry Dahl (C), 231 South Eighth street. Stone, 2 stories, 200x200 feet, hot water heating, slate roof.

Dwellings (8), 915-17-16-18-24-26-32, 34 Fill more street, \$24,000. John Gotheringham (O and C), 3367 Frankford avenue. Brick, 2 stories, 16x43 feet, slate roof, hot water heating.

Garage, 1133 E. Columbia avenue, \$6,100. Edwin Lentz (O), on premises. Harry Drake (C), 3139 Haverford avenue. Brick, 1 story, 30x162 feet, slag roof.

Garage, 6753 Germantown avenue, \$400. J. Macilanchlan (O), on premises. Howard Treeler (C), 212 E. Horter street. Brick, 1 story, 16x14 feet.

Garage, 3630 North Fifth street (rear), \$550. Sylvester Peters (O and C), on premises. Brick, 1 story, 58x19 feet, slag roof.

Dwelling, Dungan road, \$1,200. Wm. Longstreet (O), Germantown. Wm. Strook (C), 7326 Second Street pike. Brick, 2 stories, 14x28 feet, slag roof.

Building, Fifty-seventh and Baltimore avenue, \$85,000. Church of Epiphany (O), on premises. F. E. Wallace (C), 1220 Chancellor street. Stone, 3 stories, 76x76 feet, slate roof, steam heating.

Dwellings (3), east side of Sixty-first street, south of Latona street, \$40,600. Forbes & Jones (O and C), 5916 Catherine street. Brick, 2 stories, 15x25 feet, slag roof, hot water heating.

Garage, Twenty-second and Erie avenue, \$800. Wm. J. Adams (O and C), on premises. Brick, 1 story, slag roof, 22x29 feet.

Garage, Eleventh below Allegheny avenue, \$5,000. W. Clearman (O and C), 1220 W. Allegheny avenue. Stone and brick, 1 story, slate roof, 26x16 feet.

Garage, 1714-16 Venango street. Jas. Willard (O), 3730 North Seventeenth street. J. Y. Loner (C), 1721 Rising Sun lane. Brick, 2 stories, 42x15 feet, slag roof.

Dwellings (3), 5012-14-16 Parkside avenue, \$10,000. Jacob Feldman (O and C), 1017 Jackson street. Brick, 3 stories, 16x63 feet, slag roof, hot water heating.

Garage, School lane and Oak road, \$1,200. Theo. Brown (O), on premises. John Ashton (C), 316 Grange street. Brick, 1 story, slate roof, 25x22 feet.

Alterations and Additions

Dwelling, 1924 Chestnut street, \$470. Mrs. Abbott (O), 400 South Fifteenth street. J. Kisterback & Son (C), 2002 Market street. New heater, repairs.

Dwelling, 2505 North Eleventh street, \$325. Girard Trust Co. (O), Broad and Chestnut

streets. John A. Silless (C), 2020-22 Alter street. Repairs.

Ray shop, 2108 Dickinson street, \$450. Dominic Praentie (O), 2011 Federal street. Jas. Sterrett (C), 1745 South Nineteenth street. Brick, 2 stories, addition, 16x13 feet, slag roof.

Apartment, 113 North Nineteenth street, \$700. Geo. Elliott (O), Twentieth and Fairmount avenue. Steward & Stevens (C), 1716 North Nineteenth street. Alterations.

Manufacturing building, Sixtieth and Baltimore avenue, \$1,000. Bernard MacMackin Estate (O), Philadelphia. Sam. J. Cresswell Iron Works (C), Twenty-third and Cherry streets. Alterations.

Dwelling, 1116 North Fortieth street. N. Tiriniskey (O), on premises. J. Gasaher (C), 416 Oxford avenue. Hot water heating.

Manufacturing building, Front and Dauphin streets, \$1,000. John Bromley Son (O), Lehigh and Front street. Geo. A. Stewart (C), 2123 Germantown avenue. Alterations.

Buildin, Mascher and Oxford streets, \$750. Hess Wills (O), on premises. Stewart Bros. (C), 2526 North Oakney street. Tank supports.

Shop, Stiles and Wakeling streets, \$10,000. Barrett Mfg. Co. (O), Bermuda and Margaret streets. A. R. Raff Const. Co. (C), 1635 Thompson street. Brick, 1 story addition, 52x65 feet.

Dwelling, 614-16-18 Jackson street, \$920. Klein & Smoken (O), 2111 South Seventh street. Success Contracting Co. (C), 800 W. Moyamensing avenue. Brick, 2 story rear addition, 18x10 feet, slag roof.

Bottling place, Jessup and Locuts streets, \$1,000. Mary Kayser (O), 240 S. Eleventh street. E. E. Hawn (C), 239 South Hutchinson street. Brick, 1 story addition, 25x72 feet, slag roof.

Garage, Hamilton and Lancaster avenue, \$730. Monarch Storage Co. (Thirty-ninth and Lancaster avenue. E. H. Bachler (C), 146 N. Tenth street, Philadelphia. Steam heating system.

Manufacturing building, 1009-13 North Bodine street, \$2,000. George Melloy (O), 1419 Spring Garden street. C. H. Bachler (C), 146 North Tenth street. Steam heating system.

Residence, 1514 Harrison street, \$395. Amelia Wilson (O), Frankford, Philadelphia. E. H. Bachler (C), 146 North Tenth street. Low pressure steam heating.

Residence, 926 South Ninth street, \$350. Isarel Hagan (O), on premises. E. H. Bachler, (C), 146 North Tenth street. Hot water heating system.

Warehouse, 1512-14 Callowhill street, \$4,500. G. N. Sherwood Son (O), on premises. Levy Ellis (C), 2336 W. Fifth street. Brick 3 story addition, 32x100 feet, slag roof.

Dwelling, 4808 Baltimore avenue, \$800. W. Brooks (O), 433 North Fifty-second street. N. Litman (C), 2030 South Fifth street. Brick, 1 story front addition, 15x7 feet, slag roof.

Store and dwelling, 506 South Fifty-second

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street, \$1,000. Walter Redding (O), 709 Walnut street. Wm. H. Masses (C), 711 South Fifty-second street. Brick, 2 story addition, 12x8 feet, alterations.

Store, 314 W. York street, \$300. Stepehn Stevenson (O), 316 W. York street. J. K. Cullen (C), 321 W. York street. Brick, 1 story, kitchen, 16x10 feet, slag roof.

Dwelling, 5425 Palethrope street, \$300. Jas. F. Kess (O), on premises. Alfred Stehle (C), 118 Wyoming avenue. Frame, 2 story addition, 13x11 feet.

Dwellings (22), 6202-34 South Sixty-second street, 6236-38-6240-42 Christian street, \$103,000. Schuykill Realty Co. (O and C), 6214 Catherine street. Brick, 2 stories, 16x54 feet, slag roof, hot water heating.

Dwellings (26), Beeman street, east of Fifty-seventh street, \$57,500. Jas. Enburg (O and C), 5200 Wynnefield avenue. Brick, 2 stories, 16x32 feet, slag roof, hot water heating.

Garage, rear 833 North Sixth street, \$400. Q. Lapoloff (O), on premises. M. Belinsky, (C), 865 North Fourth street. Brick, 1 story, 20x28 feet, slag roof.

Garage, 701 North Nineteenth street, \$1,700. William Dunlap (O), Nineteenth and Fairmounth avenue W. W. Wassen (C), 336 McKean street. One story side addition, 3x10 feet, slag roof.

Garage, Cestnut avenue, west of German town avenue, \$1,800. Morgan Hehard (O), Chestnut avenue, Chestnut Hill. Thos. M. Seeds, Jr. (C), 1207 Race street. Stone, 1 story, 7x23 feet.

Dwelling, 624 E. Girard avenue, \$800. Miss Keller (O), on premises. John Stoll (C), 311 E. Girard avenue. Heating system.

Dwelling, 807 North Twentieth street, \$375. J. McChauham (O), on premises. H. J. Malloy (C), 518 North Nineteenth street. Hot water heating system.

Dwelling, 239 North Sixteenth street, \$300. Masens & Cauchino (O), 1512 Arch street. Columbia Record Stone Co. (C), 624 South Second street. Hot air heater.

Dwelling, 1636 Reed street, \$330. Angelo Pesse (O), on premises. Jas. Padolese (C), Sixteenth and Dickinson streets. Flush bulks, repairs.

Dwelling, 1617 Ridge avenue, \$375. Chas. Morris (O), on premises. W. J. Evans & Co. (C), 1004 Ridge avenue. New flush bulks.

Porch, 7056 Germantown avenue. Dr. Anna L. Conner (O), on premises. C. Clark (C), 1166 North Camae street. Porch and repairs.

Dwelling, 614 South Third street, \$500. S. Meyer (O), Fourth and South streets. M. Glasshofer (C), 529 Morris street. Repairs.

Dwelling, 2450 South Twenty-eighth street, \$670. B. Masshik (O), on premises. Frank Lucci (C), 1351 Christian street. General alterations.

Rooming house, 1714 Arch street, \$600. Constantine Haas (O), 45-49 North Seventeenth street. Federal Iron Works (C), 115 Main street, Camden, N. J. Fire escapes and repairs.

Warehouse, 723-25 Naudain street, \$400. B. Shapiro (O), on premises. Frank Kouser (C), 1522 South Sixth street. Interior alterations.

Synagogue, 754-6 South Third street, \$10,000. Congregation Pania Joseph (O), on premises. Mannee Golden (C), Cambridge Building, Chester, Pa. General repairs.

Manufacturing building, 222 South Fifth street, \$3,000. Bobsam Bros. (O), on premises. Standard Const. Co. (C), 822 Drexel Building. New skylights, basement, 70x15 feet.

Blacksmith shop, 223-225 Lombard street, \$2,300. Lifter's Ice Cream (O), on premises. H. B. Rea Co. (C), 1027 Dood street. One

story addition, 40x75 feet, truss roof.

Light manufacturing building, 516 North Perth street, \$1,000. Henry Tauser (O), on premises. Otto Malz & Son (C), 2108 North Lawrence street. Brick, 1 story addition, 16x23 feet, slag roof.

Store, 8524 Germantown avenue, \$3,900. Peter Bromley (O), on premises. John E. Walt (C), 204 E. Willow Grove avenue. Brick, 1 story addition, 25x20 feet, slag roof.

Dwelling, 100 W. Mermaid lane, \$600. Dr. George Woodward (O), North American Building. John E. Walt (C), 204 E. Willow Grove avenue. Porch and hot water heating.

Apartment house, 1821 Mt. Vernon street, \$500. Harry Wagner (O), 1821 Mt. Vernon street. Howard Coswin (C), 1429 Brown street. Hot water heating system.

Garage, 3610-3612 Frankford avenue, \$1,500. John J. Shesy (O), on premises. John Jamison (C), 2587 E. Huntingdon street. Brick, 1 story rear addition, 39x40 feet, slag roof.

Dwelling, 1111 Jefferson street, \$500. A. Finbery (O), 717 Walnut street. A. Basky (C), 636 Pine street. New bulks.

Bank, 427 South Broad street, \$2,000. Brown & Stevens (O), on premises. W. J. Robinson (C), 1508 Lombard street. General alterations.

Residence, 1622 North Twelfth street, \$300. Jno. D. Carter (O), 1622 North Twelfth st. R. O. Ward Co. (C), 1834 Ellsworth street. Brick, 1 story addition, slag roof, 12x12 feet.

Stone and dwelling, 822 South Eighth st., \$325. Mrs. C. Ramano (O), 1420 South Broad street. Frank Lucci (C), 1351 Christian st. New slag roof, repairs.

Manufacturing building, Ninth and Washington avenue, \$2845. American Ice Co. (O), Sixth and Arch street. Monaghams & Losse (C), 3016 Chestnut street. Tank supports.

Garage, 558-60 North Twenty-third street, \$300. Estate of H. K. Kindig (O), 220 North Delaware avenue. Clayton Lofland (C), Water and Race streets. Alterations.

Theatre stores, 4711-15 Frankford avenue, \$600. Wm. Freihofer (O), Twentieth and Indiana avenue. Philip Haibach Const. Co. (C), 261 North Twenty-second street. New chimney.

Store, 705 W. Girard avenue, \$380. L. Goldstein (O), on premises. Lam Building Co. (C), 1001 Wood street. Flush windows, repairs.

Store and dwelling, 158 North Second st., \$1,200. Wm. Glazier (O), 523 Tasker street. Wm. Aseff (C), 1510 E. Montgomery avenue. Repair fire damage.

Club, 1333 South Bancroft street, \$1,500. East End Rep. Club (O), on premises. Daniel Henan (C), 1514 Ritner street. Brick, 2 story rear addition, 20x38 feet, slag roof.

Store and dwelling, 1537 South Seventh street, \$250. Mrs. M. Taylor (O), on premises. Jacob Bender (C), 1817 South Fourth street. Brick, 3 story addition, slag roof, 12x22 feet.

Meeting room, Twelfth and Latona streets, \$1,500. Jas. Impen (O and C), 1220 South Twelfth street. Brick, 1 story addition, 17x34 feet.

Dwelling, 2208 Rittenhouse street, \$375. J. B. Hopkins (O), on premises. Chas. Zetley (C), 340 South Quince street. Brick, 3 story addition, 12x12 feet.

(Continued from page 814.)

far as capacity of apparatus and amount of radiation is concerned. If any estimate received appeared either too low in cost or deficient in quantities, such a formula would afford any architect an opportunity to check up for comparison with other estimates.

Of course, preferably, it should be used as the basis of his own calculations to be definitely stated before estimates are asked, and, if so used, I cannot see how it would interfere with the occupation of heating engineers, which is one of the arguments that might be advanced against it. Presumably it would only be used by those architects who would not in any case have employed an engineer for that particular work.

This is a suggestion which I wish you seriously to consider, for I believe it would greatly facilitate common practice in steam fitting, just as the piping of buildings for gas will be facilitated by the basic piping schedule recently adopted by the National Commercial Gas Association.

Of course, this basic formula would not alone be sufficient to insure absolute equality of conditions in estimating. There are other matters to be considered, such as a general description or outline specifications or requirements for the ordinary run of work, which, it seems to me, could well be drawn up by your association. This would, of course, not apply to sizes of pipes, which in your case I appreciate are variable, but should

in the form of suggestions to architects as a basis for their specifications to provide truly competitive conditions of estimating, as to whether pipes are to be exposed or to be encased in walls or partitions, as to chasing and covering of same, as to valving and draining raisers in hot water installations, the height of radiators, whether under sills, or seats or not, and so forth, in simple work and on up into air lines, returns and other important principles in larger work.

And then there is the matter of sectional covering and banding on lateral runs, plastic covering on flanges, couplings and fittings, and on the heating apparatus itself,—surely some standards of practice could be developed which would greatly aid in establishing a uniform basis of estimating.

Use of Names and Brands in Specifications Favored.

While we are speaking on the subject of clarity, why not let us co-operate to get rid of words in specifications which say, but do not mean, "very best quality" and the "or equal," in favor of calling for the brands, thickness and weight of pipes and for the various other products by the several names which will be acceptable?

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You'll have troubles all your own.
— 'Los Angeles Evening Herald.'

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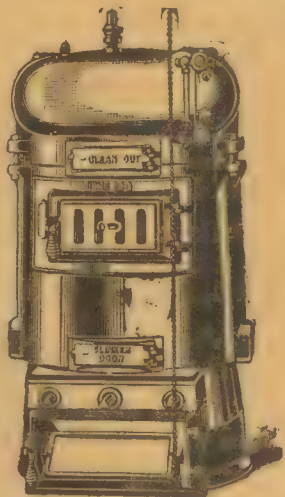
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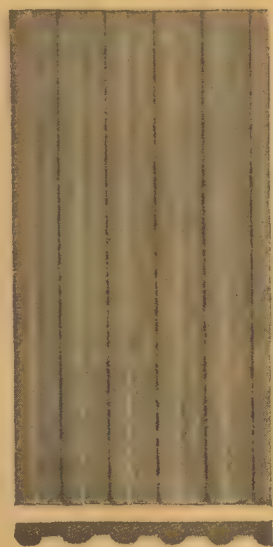
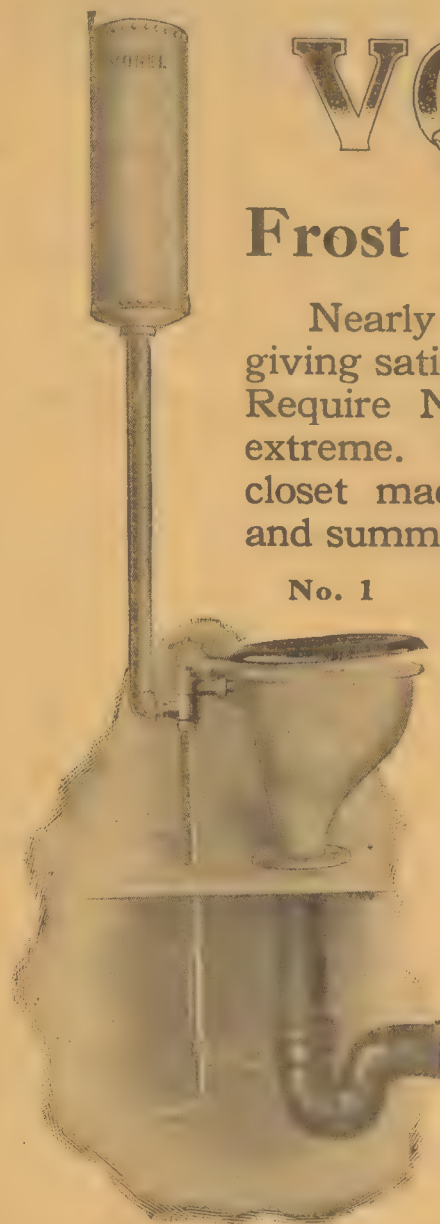
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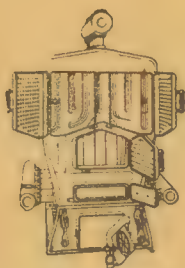
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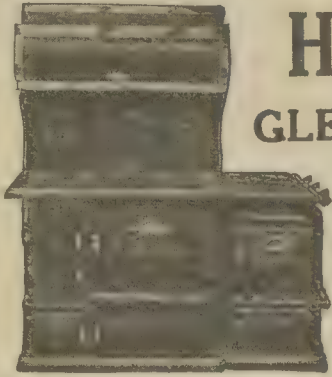
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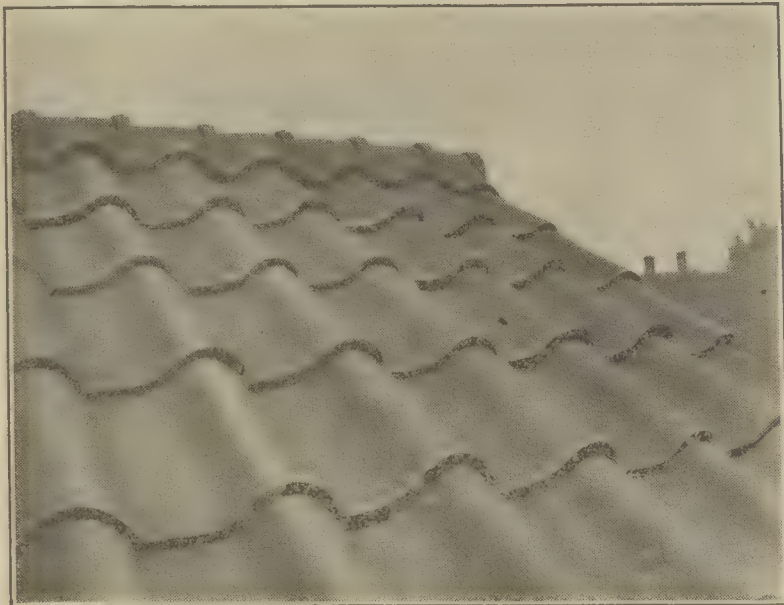
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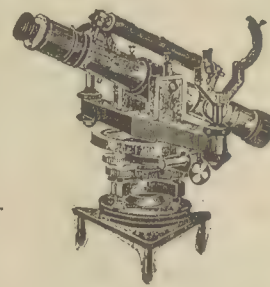
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VOLUME XXXI
Number 51

PHILADELPHIA
December 20, 1916



As The Editor Sees It



THEODORE STARRETT discusses "Too many Middlemen" in the current number of *Architecture and Building*. When one stops and thinks of the vast number, whether in the cities or going to and fro between the cities and the places where things are actually produced," writes Mr. Starrett, "one may realize what a deal of money has to be added to the cost of the primary products to pay the living of all the middlemen who are engaged in handling them."

"It's a great game," comments Starrett, "this living off the other fellow. It's been going on since the time of Adam and will go on till the Resurrection Day, no doubt, but people have a way of refusing to give up—of refusing to be resigned to it just the same, and democracy has done, oh such a lot to distribute the load, as the engineers say. The game is going on now in one of its most interesting phases. They call it the elimination of the middleman. They should call it the reduction of the number of middlemen, and, taking a humane view of it, if it is not to be actual death or the poorhouse for the unneeded portion of the strugglers, there should be an accompanying movement to increase the number of producers. One of the things that makes life interesting nowadays is the union—men banded together to get a bigger share of the product of toil than their fellows who may not be banded together. You know that for every man that gets more there must be some one to get less, and the more the few get, the greater the number of those who must take less."

* * *

BUILDING," says Mr. Starrett, "has been unionized to an extraordinary extent and the share of the public's money that goes for that necessary element of our modern life has been disproportionate to the amount

left for other activities. It has caused two things,—one, excessive competition in that branch of industry, and, two, emulation on the part of all other branches of industry, which will lead to all being unionized or, at any rate, of all being raised. When everybody is raised we will be just the same as we were before, but our money will buy only a half or a third as much as it did 'before the war.' There are too many middlemen indeed, but not too many kinds.

"One might here venture to speak on that delicate subject, the relation of architects and master builders to society. It would be easier to say architects and builders, but I mean now the managing builders, men who supervise and direct the whole work, as distinguished from the 'subs' who do the different parts of building, each as a specialist.

"One of the interesting phases of this question was the appearance of 'construction companies,' as they were called, which were widely heralded by the old-style builders as institutions that were intended to eliminate the architect. It was really the old-style builders that the 'construction companies' threatened, and, with characteristic cunning,—if it could be called cunning,—those who were threatened managed to work up a great fear in the minds of architects.

"The fear was largely an imaginary one, conjured up as a rule in the brain of the narrow-minded architect whose conscience may have pricked him or, worse, may have been so burdened by the thoughts of pet 'subs' to whom he was under obligations that he imagined the devil himself would be better than a businesslike organization to manage things and keep the grafting down. Some folks that ought to know better have really thought that one or the other—that is, the architect or the builder—could or should be eliminated, and

I don't know any that have been so scared about it as one or two of the leading architects of a few years back right here in New York.

* * *

It is true that ordinary business shows a merging under one head of the two functions which are performed by the architect on the one hand and the builder on the other, but that is like speculative building where the goods are manufactured and then offered for sale, just as they are in the case of furniture or clothes or shoes or what not.

"Building, considered as the production for a third party, the owner, of an object that must be designed for that owner in advance of its making, is not within the confines of the merchant's or manufacturer's functions. That is a truth that should some day sink into the consciousness of some folks, and it will, too.

"It all grows out of the well-known human quality of hating to see anybody profit at your expense. It starts with the owner, or is played up to the owner to win his favor. The architect is entitled to a living. If he does his work properly he should have ten per cent. The builder is entitled to ten per cent. 'Whew!' says the owner, 'twenty per cent! I can't stand that.' And if he is a 'good business man'—what does he do? Well, if he is a real business man and uses judgment in the selection of his 'help' he does pay both architect and builder a good profit and gets his affairs carefully administered.

"But human nature and the presence of too many middlemen makes it hard for the money-maker to see go by an opportunity to take a pound or two of somebody's flesh. Here is a chance to make a killing, says the money-maker, and alas! it is too often true.

"One of the favorite games of this

**DRAWING
MATERIALS**

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**BLUE
PRINTS**

modern bloodless war is the setting of architects against builder and the attempt to make the architect perform both his own work and the work of the other without paying him for the other man's work.

"Some architects professedly eliminate the master builder, announce their performance of his work and charge accordingly."

* * *

OTHERS—architects, I mean—are driven by the pressure from the owner to attempt the two-man job at the one man's pay. The conscientious performance of this task is a heart-breaking and ruinous thing. It makes the architect work for practically nothing. If the architect is not wonderfully capable there is a danger of the thing resolving itself into a piece of business that is full of drummer's overcoats.

"You've heard that story, haven't you? Let me tell it my way. The drummer put into an expense account the cost of an overcoat, and the boss cut it out. Next time the expense account had no overcoat and the boss said, 'I see you didn't put in the overcoat this time.' The drummer replied, 'I didn't put it in, but it's there just the same.'"

"What an honest fellow the drummer was, by the way!

"The middlemen must go; that is, some of them must go, but the builder will stay and some day it is to be hoped he will get a square deal. And the architect—of course he must have a square deal, too."

* * *

AN interesting example of the value of terra cotta fireproofing of structural steel frame, when exposed to extraordinary conditions of heat, is furnished in an Augusta, Ga., fire which destroyed 682 buildings, devastated nearly thirty city blocks and entailed a property loss in excess of four millions of dollars, including some of the finest business property in Augusta.

In the midst of this fire area stood the sixteen-story Empire Life Building and the ten-story *Augusta Chronicle* Building. The Empire Life Building was in an unfinished condition. The exterior copper-covered kalamein sash and frames were in place throughout the first and second story and the ordinary wood frames and sash in place throughout the upper portion of the building. The wood sleepers were laid embedded in cinder concrete, but no finished floors were laid in any portion of the building. Terra cotta fireproofing had not been installed on the interior columns of the first story and at the rear portion there was a large quantity of floor sleepers piled against the Bethlehem steel col-

umns. The only damage to the upper portion of the Empire Building was the burning out of the window frames and sash and the destruction of floor sleepers and other inflammable material. An examination of the *Chronicle* Building, which was for hours completely enveloped in flames, shows that although there is not a particle of inflammable material or interior metal work, including cast iron elevator fronts, steel door jambs and bucks, etc., which was not partly or entirely destroyed, there was not a single instance of a broken floor arch or terra cotta fireproofing of steel frame in the building that was in the slightest degree affected. In other words, the entire interior terra cotta partitions, furrings and floor arches were intact even though every door and window frame, whether of wood, steel or cast iron, was consumed or otherwise badly damaged. This is considered a very remarkable showing in view of the

fact, as previously stated, that the entire building was flame-swept throughout its entire interior; even to the extent that the Underwriters' fireproof hollow metal frames and wire glass on the other side of the building, were entirely destroyed and the glass all melted out of the frames. This will give some idea of the terrific heat to which this building was exposed.

The exterior lower portion of the building, which was of limestone, was badly affected, but the terra cotta trimmings withstood the effects admirably. The report from which these excerpts are taken is by Mr. W. L. Stoddart.

* * *

BY the time this number of THE GUIDE reaches our subscribers we shall be on the eve of Christmas Day. Here's wishing a Merry Christmas to THE GUIDE's many friends and supporters and to each a bright and prosperous New Year.

EDITORIAL NOTES

Arnold W. Brunner, architect, has been selected a vice-president of the National Institute of Art and Letters.

* * *

The new Cunard Building at Liverpool is the latest architectural lion in the British Isles. It is built of Portland stone, and the largest blocks weigh 14 tons, to handle which special machinery and methods had to be improvised. In this country the handling of 14-ton blocks in building work is almost commonplace. According to *Stone*, the columns in the Tiffany building, New York, are twenty-eight feet eight inches by three feet six inches, and were cut from rough blocks weighing forty tons each. In the People's Trust Company building, Brooklyn, are four monolithic columns weighing about twenty-four tons each. The lower sections of the eight columns in the sanctuary of St. John the Divine in New York weigh approximately ninety tons each. The West Point battle monument is of polished granite and measures forty-one feet six inches by six feet.

* * *

The card schedule of prices for linseed oil touched one dollar a gallon for single barrels this week, and ninety-nine cents for five-barrel lots, under a fair inquiry and a short supply. The schedules issued by manufacturers of prepared paints also show advances. The main reason for the higher quotations is the cost of raw materials. The different lead pigments are higher than a

year ago, as are all oils that enter into the manufacture of paints.

* * *

Bids for highway work involving an expenditure of \$200,000 were opened by officials of the Philadelphia Department of Public Works. The operations include the grading of streets, the paving and repairing of asphalt paved streets and the dredging of a number of small creeks.

* * *

The lumber interests are scheduled to occupy a prominent position in the coming National Complete Building Exposition, which will be held in the Grand Central Palace, New York City, March 5 to 11, of next year. Leading firms in the lumber trade have already contracted for some of the most desirable exhibition space, and there is no doubt that the lumber division will become one of the most important features of the enterprise.

* * *

Augustus Thomas, the playwright, offers the most recent solution to traffic congestion in Manhattan, which has become a serious problem now confronting the city authorities. Mr. Thomas believes that bridges will bring about the desired relief, if they were properly constructed across Fifth avenue, in the streets between 34th and 59th streets. The erection of these structures would, in his opinion, make adequate provision for east and west traffic and would allow an uninterrupted flow of vehicular and

pedestrian traffic on Fifth avenue. Although it is doubtful whether the suggestion will receive serious consideration, on account of the insurmountable difficulties which will have to be overcome, the incident is a commentary upon the interest which New York City's citizens are taking in acute government problems.

* * *

Red lamps must be placed on building material which is left in the streets by building contractors or they will be arrested and fined, according to Chief of Police Gravenor, of Camden, N. J., who issued this statement recently. So many complaints have come from people who fell and injured themselves on streets where this material was placed that the police promise action.

* * *

Resolutions calling for a municipal stadium in the ravine at Thirty-third and Master streets, in Fairmount Park, Philadelphia, were passed by the Brew-

erytown Business Association, which met at Twenty-eighth street and Girard avenue.

* * *

The Hardwood Manufacturers' Association will hold its annual meeting at the Sinton Hotel, Cincinnati, Ohio, January 30-31, 1917.

* * *

H. Laussat Geyelin, president of the University of Pennsylvania Athletic Association, will announce the names of the five members of the stadium committee which he has been authorized to appoint to confer with Provost Smith and the trustees of the University regarding the plans for the 100,000 capacity athletic stadium proposed for a plot in Woodlands Cemetery.

* * *

The National Brick Makers' Association will hold its next convention at the Hotel McAlpin, Broadway and 34th street, New York City, from March 4-11, 1917.

EFFECT OF ZONING PLAN ON OTHER CITIES.

Statement by Thomas Adams, Town Planning Adviser, Commission of Conservation, Ottawa, Canada, on Zoning Resolution.

We feel to some extent that New York has been responsible owing to the example which it has set, for some of the high buildings in Canadian cities. We are looking to-day to your new tendency in the hope that our cities will follow your example of providing greater restrictions on height. We have not the excuse for high buildings that you have in New York.

Town planning in Great Britain and Canada is one of those questions that grows stronger in its appeal as it is taken up, and as research progresses, to the business man. Undoubtedly he starts out to study it with the assumption that it is purely an aesthetic function—the proposal to use the police power to restrict the rights of private property in the interests of the public. But it does not take him long to discover that both public and private interests are closely identified and that reasonable restriction of the use of property is in the interest of all parties.

Restricting Vacant Areas.

The whole question of controlling development in those parts of your city which are only partially developed has become one of importance and requires serious consideration. I do not know whether it would be possible for this work to be carried out over wider areas so as to include land which is not yet subdivided. So far as our town planning work in England and Canada is concerned we are trying to apply it in areas that are still undeveloped, as well as to those that are in course

of development. We proceed on the principle of the Jesuit, who in his wisdom said, "If you give me a child until he is eight years old you can have him for the rest of his life."

We feel that the really important thing is to get hold of the suburb before it is developed. Much of the older portion of the city can look out for itself. I think your work should be extended to a wide area in order to get your restrictions applied before building is begun. In getting hold of the suburbs that are starting to develop and applying the same principles to the open land that you apply to the built-on land in the city, the result will be that you will be able to apply restrictions which will accomplish something nearer to your ideals. You will not be required to compromise with existing vested interests. Owners of real estate themselves will not only be anxious to agree to something that gives safety and health, but even to what we, in England, call "amenity" in plan and surroundings.

Town Planning Law in Canada.

When our Parliament passes a law it does so with recognition of the English Bill of Rights. The whole constitution of Canada is framed on what you perhaps would call the unconstitutional constitution of Great Britain. It is not a fixed constitution, but a constitution capable of readjustment and alteration by Parliament itself, subject of course, to the principles of the Bill of Rights, and the whole question of the recognition of

the rights of the individuals to do what is reasonable with their property.

In laying out streets the Parliament in Canada recognizes the principle that private property shall not be taken for public use except with just compensation. But it does not assume that you may use private property to the injury of the public use, nor does it necessarily allow an abuse of private property and then a claim for compensation because you are prevented from getting the advantage of that abuse. That is the point when land may be used for building development to such an extent that it becomes not use of land, but abuse of land—abuse of the right to use land.

I think those who advocate the single tax say there are two uses of land, one is "non use" and the other is "use." I think we have three, one is use, the other is non-use and third is abuse. The point is really where the method of developing land actually becomes an injury to the public. You have to recognize the rights of the man who claims compensation for restrictions on his use of property; but he should not, for instance, be permitted to demand air space from property abutting on their own as a right. He ought not to be allowed to claim compensation on the ground that he is prevented from using the space on the street or on an adjoining site to provide him with light. He may properly be required to use his own property in order to provide his own air space and light. I speak of what appears to me to be equitable although it may be without regard to what is legal. Our Parliament recognizes constitutional clauses of equal protection of the laws.

I don't think there is much distinction between your treatment of private interests in property and our own, except that probably

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we are able to obtain by general law what you have to secure by police power and you have probably to educate your courts with regard to the interpretation of the matters that come within the scope of the police power. You do not appear to have the same power to revise and remodel your law to suit changing conditions.

Of course, the courts have comparatively little jurisdiction in regard to the restrictions that are essential to secure proper sanitation and "amenity." A person cannot obtain compensation by reason of doing anything to contravene the scheme after a given date. There is no appeal in that matter above the Department of the Government. The following subsection which appears in all town planning acts shows how much jurisdiction is vested in the department, and therefore the reason why the matter has not come before the courts:

Property shall not be deemed to be injuriously affected by reason of the making of any provisions inserted in by-laws or a scheme, which, with a view to securing the amenity of the area affected by the by-laws or the scheme, or any part thereof, or proper hygienic conditions in connection with the buildings to be erected thereon, prescribe the space about buildings, or the percentage of any lot which may be covered with buildings, or limit the number of buildings to be erected, or prescribe the height, character, or use of buildings, and which the department, having regard to the nature and situation of the land affected by the by-laws or provisions, consider reasonable for the purpose of amenity and proper hygienic conditions.

The right of our Town Planning Commission to name restrictions has never been contested in the courts. Where I think we seem to have an advantage in our Town Planning Acts is that the provinces have full power to deal with questions affecting land and municipal questions. They pass an act and there is no appeal from that act to any federal court. There is, however, an appeal to the provincial Parliament as between the municipality and the owner.

For instance, in a Town Planning Act a ministerial department of the province, say, the Department of Municipal Affairs, becomes the controlling authority in regard to planning in that province. Once a town planning scheme is prepared by the municipality they have to apply to that department for the right to prepare the scheme and for approval of the scheme. Compensation cannot be claimed and there can be no appeal on the question of restricting the number of buildings to an acre, or in fixing the character or height of buildings if the provincial department is satisfied that the restriction is reasonable.

There are districting regulations in one or two cities like Toronto and Hamilton. That is a matter that is subject to the owners presenting a petition and the majority being in favor of that plan. It is done on the initiative of the owners who may apply to have restrictions placed on property.

You have a number of inhabitants in a street who desire to have that restriction placed upon it. They make an application and the Council has the power to apply that and it becomes law when they have done so.

Both in England and in Canada the town planning idea and the whole scheme of districting is based upon motives of health, safety from fire, convenience, comfort and general welfare. Safety from fire is particularly important in Canada. We pay, I think, six or seven times as much for fire prevention and insurance in Canada as in England. The cost of maintaining fire appliances and the cost of fire insurance, I think, is two dollars per capita more than in England.

Absence of Control.

This is largely due to the absence of the control of the character of buildings and the regulation of space surrounding buildings. For instance, in an English city you must put a certain amount of space around your building and that must be paved or graded with some incombustible fireproof material. There are more restrictions there than there are in Canada. The whole thing grew out of necessity, or what became a necessity in order to protect the health of the people living in the cities.

Town planning is being generally adopted throughout Canada in order to promote health, safety from fire, etc.

Four out of nine provinces have Town Planning Acts. One of these has a compulsory act for the whole province, and no future development can take place there unless it is part of the scheme. In Manitoba they have just passed such an act. In Saskatchewan the act has passed its first reading. I expect that by this time next year the whole of Canada will have town planning acts. These acts will enable the number of houses to be limited to an acre, the districting of different kinds of business, the height of buildings to be regulated, and the space around buildings to be secured on a reasonable basis without compensation having to be paid for restrictions.

It does not apply to land already built upon unless compensation is paid. If you ask a man to pull down a building, or if you require the ground in front of an existing building which is essentially part of that building, compensation has, of course, to be given. So long as you do not interfere with an existing building or take away land now owned, you could apply the same regulation in a territory in which there were buildings as in territory in which there were none.

Application of Restrictions.

We use the words "land in course of development or partially occupied by buildings" to distinguish it from vacant land on the one hand or fully built upon land on the other. The restriction may apply to all cases, but in different form to each. You could apply a restriction on the height of buildings in the heart of Toronto if you see fit, provided you do not require some buildings that ex-

ceeded your restrictions to be cut off. But that does not come within the town planning acts—it is dealt with by city by-law.

The same remedy would be invoked against a man who proceeded to build contrary to a plan which had been adopted in Canada, as in England. There is a scheme being prepared for St. Johns, New Brunswick, covering twenty thousand acres, which includes ten thousand acres inside the city and ten thousand outside the city, but the city of St. Johns has prepared the whole scheme and it is going outside its own territory.

If you restrict a city here such as New York and you prevent bad development in that area, you only succeed in preventing bad development just over the boundary, unless you also restrict that area outside of the city. If in St. Johns, after a certain date, a few months' notice being given, any owner builds a house which contravenes the proposed scheme he has no claim for compensation if the authorities require him to pull down the building or alter it.

In England a man erected four shops under a scheme which I approved. It was stated he should put his shops seven feet from the edge of the street, instead of which he put them only three feet from the edge. He had a comparatively shallow lot. The shops projected four feet in front of the building line. I reported that he should pull them down to the extent of four feet. He appealed first to the Local Government Board, then to Parliament, and it was finally settled that he had to pull down to the four feet, but they gave him twelve years to do so, so that he could draw the rental for that period to compensate him for his loss. There is no intention to allow any owner to defeat the principles of these acts.

I would like to see more done to improve both cities of Niagara Falls. In the matter of Victoria Park, we have done a great deal, but I would like to see more effort made on both sides of the river to improve and beautify the surroundings. It requires co-operation.

The acts have not been long enough in operation to allow a scientific study of the effect of town planning on health. But in Bornville, Letchworth and elsewhere it has been shown that the death rate need not be higher than nine a thousand. The children, as compared on the average with those of the same age in the slums, are proved to be heavier and of greater height.

I think there are several cases in which it has been shown that the proportion of eligible men fit for military service is greater in the healthy districts than in the unhealthy areas. There is a well-known case, which you will probably remember, in which 8,000 out of 11,000 were rejected in one instance for the army on account of physical defects due very largely to the social conditions under which they lived. This happened in Manchester. I think there are a great many other cases which prove the deteriorating influence of the slums.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Factory, Sixth and Moore streets, Philadelphia, \$100,000. Architects, Wm. Steele & Sons Co., Sixteenth and Arch streets. Owners, Windsor Chocolate Co., Twenty-fourth and Hamilton streets, Philadelphia. Brick and slow burning construction, 3 stories, slag roof. Plans in progress.

Grain Elevator "B" (demolition), Girard Point, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station. Consists of removing old grain elevator. Owners taking bids, due December 27th at 11 A. M.

Store Building (alt.), 34 North Fifth street, Philadelphia. Architect, not selected. Owners, Commercial Photo-Engraving Co., Third and Arch streets. Brick and stone, 3 stories. Will consist of general interior alterations. Work contemplated.

Store Building (remodeling), 1626 Chestnut street, Philadelphia. Owners, the Hawthorne Shop, care of Hagedorn-Mertz Co., Third and Brown streets, Philadelphia. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Brick, 4 stories, 20x150 feet, steam heating, electric lighting, metal lath, tile and marble work, hardwood floors, elevator, metal front, store fixtures. Plans in progress. Architect will be ready for bids in two weeks.

Hospital (alt. and add.), Fifth and Wilder streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Mt. Sinai Hospital, on premises. Brick, reinforced concrete, terra cotta trimmings, 3 stories additional, 92x82 feet, tile, J. M. asbestos and asphalt roof, composition and cement floors (heating and lighting reserved), metal lath, fire doors, safety treads, tile and marble work, hollow tile, elevators, cabinet work, dumb waiters. Architects taking bids, due December 27th. The following are figuring: Wm. Linker Co., Heed Building; John R. Wiggins & Co., Heed Building; Wm. R. Dougherty, 1610 Sansom street; Lam Building Co., 1001 Wood street; James H. Wells, Heed Building; Thomas M. Seeds, Jr., Co., 1207 Race street; H. E. Baton, Twelfth and Sansom streets; H. E. Grau Co., 1709 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; A. R. Raff Const. Co., 1635 Thompson street; Warren Moore Co., Commercial Trust Building; Stacy Reeves & Sons Co., 2011 Market street; Bailey-Lush Co., 201 North Broad street; Cramp & Co., Denckla Building.

Garage, Kitchen's Lane, Germantown. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Charles F. Jenkins, Seventh and Washington Square, Philadelphia. Stone, 1½ stories, 28x44 feet, shingle roof, hot water heating, electric lighting, cement floors (electric work reserved). Architects taking bids, due December 21st. J. Wesley Fretz, Thirteenth and Medary street, Oak Lane, and Wm. J. Gruhler Co., 219 East High street, Germantown, are figuring.

Store, Residence and Garage, Broad street and Nedro avenue, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Dr. S. B. Davis, York road, Oak Lane, Philadelphia. Brick, 3 stories, 23x99 feet, slate roof, parquetry, pine, terrazzo cement floors, metal lath (hot water heating, plumbing, electric work, tile and marble work reserved). Plans about completed. Architects ready for bids in a few days.

Club House (alt. and add.), Front and Ells-

worth streets, Philadelphia. Architect, J. Elvin Jackson, 1003 Spruce street, Philadelphia. Owners, Southwest Men's Club, care of architect. Brick, 3 stories, hot air heating, electric lighting, slag roof, metal lath. Revised plans in progress.

Rectory (alt. and add.), 7912 Tacony street, Holmesburg, Philadelphia. Architect, Paul Monaghan, Drexel Building, Philadelphia. Owner's name withheld. Brick and frame, 2 additional stories, 9x21 feet, slag and slate roof, hot water heating, electric lighting, pine and cement floors. Architect has received bids.

Garage, 115 West Seymour avenue, Philadelphia. Architects, Henon & Boyle, 10 S. Eighteenth street, Philadelphia. Owner's name withheld. Stone, 1 story, 77x100 feet, slag roof, electric lighting, steam heating, concrete floors, storage system. Architects taking bids an revision in a few days. The following are figuring: Conneen Const. Co., 1829 Filbert street; Freund Const. Co., Bulletin Building; John P. McShain, 1610 North st.; Stacy Reeves & Sons Co., 2011 Market street; Smith-Hardican Co., 1606 Cherry street; Hogg Const. Co., 1634 Sansom street, and Frank Mark Cont. Co., Inc., 2820 North Twenty-first street, Philadelphia.

Store and Apartment, Rising Sun Lane and Boulevard, Olney. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner, Frank P. Felton, Jr., southeast corner of Thirteenth and Chestnut streets. Brick and plaster, 2 stories, 38x48 feet, slag and tile roof, pine floors, tile and marble work (plumbing, heating and lighting reserved). Architects taking bids, due December 20th. The following are figuring: Alfred Steinhäuser, 5424 North Fifth street, Olney, Pa.; Wilfred Robinson, 7319 I street, Fox Chase, Pa.; Geo. Kessler Cont. Co., Drexel Building; Thomas M. Seeds, Jr., Co., 1207 Race street; F. Elvidge & Son, 5522 Germantown avenue; H. H. Wehmeyer, 1004 West Lehigh avenue, and Wills-Ludwick Co., 34 South Seventeenth street.

Office Building (alt.), Ninth and Girard avenue, Philadelphia. Architects, Construction Department Swift & Co., 60 North Market street, Boston, Mass. Owners, Swift & Co., 908 Noble street, Philadelphia. Brick, 3 stories, 35x140 feet, composition roof, terrazzo and linoleum floors, metal lath, fire doors, safety treads, tile work (electric work and steam heating reserved). Architects taking bids, due December 26th. The following are figuring: H. E. Baton, Twelfth and Sansom streets; A. R. Raff Const. Co., 1635 Thompson street; John N. Gill & Co., Heed Building; Irwin & Leighton, 126 North Twelfth street; George F. Pawling & Co., 1438 South Penn Square, Metzger & Fisher, Denckla Building; Stacy Reeves & Sons, 2011 Market street, Philadelphia.

Residence, Cliveden and Wissahickon aves., \$15,000. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owners, Fletcher, McNally & Boas, Broad and Race streets. Hollow tile and stucco, 3 stories, green slate roof, hot water heating, electric lighting, hardwood floors, tile work. Plans about completed. Architect will take bids in about ten days.

Store (alt. and add.), 1318 Walnut street, Philadelphia. Architects, Mellor & Meigs, 205

South Juniper street, Philadelphia. Owners, Rosenbach Company, 1320 Walnut street, Philadelphia. New brick front and new art galleries. Plans in progress.

Club (alt. and add.), northwest corner of Thirteenth and Walnut streets, \$80,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owners, Philadelphia Club, northwest corner of Thirteenth and Walnut streets. Brick, 2 stories, 30x100 feet, slag roof, consists of general interior alterations (steam heating, electric lighting and plumbing reserved), tile and marble work. Plans in progress.

Residence and Garage, Chestnut Hill, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 74x30 feet, 1 story, 14x22 feet, slate roof (heating, electric work and plumbing reserved), hardwood floors, tile work, cement floor, metal lath. Architects taking bids, due December 20th. Wm. J. Gruhler & Co., 219 East High street; Pringle Borthwick, 8018 Germantown avenue; Wolverton & Collins, 7930 Germantown avenue; John E. Walt, 204 East Willow Grove avenue, and W. John Stevens, Inc., Wynecote, Pa., are figuring.

Ice Storage Building, 316 North Seventh st., Philadelphia. Architect, Van R. H. Greene, 50 Church street, New York City. Owners, Hygeia Ice and Cold Storage Co., care of Martin Maloney, Land Title Building, Philadelphia. Brick, 1 story, composition or slag roof, cement floors. Plans in progress.

Apartment House, Juniper and Latimer sts., Philadelphia, \$150,000. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owner's name withheld. Brick and steel, fireproof, 5 stories, 36x70 feet, slag roof, hollow tile, fireproofing, tile and marble work (heating, plumbing, electric work and elevators reserved by architects). Architects have received bids.

Machine Shop, Philadelphia. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner's name withheld. Brick, concrete and steel, 2 stories, 33x57 feet, slag roof, metal sash, electric lighting, steam heating, concrete and wood floors. Ready for bids in a few days.

Residences (50), Seventh and Lindley avenue, Logan. Architect, private plans. Owners, Klaus & Baxter, 5715 Ashmead avenue, Philadelphia. Brick, 2 stories, slag roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Garage (alt.), Broad and Melon streets, Philadelphia. Architect, private plans. Owner, Samuel Gorson, 232 North Broad street, Philadelphia. Brick, 2 stories, steam heating, cement floors, elevator. Owner has received bids.

Pier, Delaware River, foot of Cherry street, Philadelphia. Engineer, Norman L. Stamm, Bourse Building, Philadelphia. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, 550 Bourse Building, Philadelphia. Substructure (concrete on wood piles), superstructure (steel and concrete), 100 x536 feet, A. P. M. roof, asphalt, vitrified brick and granite floors, metal sash, water-proofing, kalamein doors, rolling steel doors (plumbing, heating and lighting separate bids). Owners taking bids, due December 21.

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Wm. Steele & Sons, 1600 Arch street, and F. J. Boas, 201 North Broad street, are figuring, in addition to those previously reported.

Recreation Park and Playground, Fifty-first and Chester avenue. Architect, Philip H. Johnson, 1824 Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Room 587, City Hall, Philadelphia. Swimming pool, brick and reinforced concrete, stone trim, 1 story, 113x95 feet, slag roof, cement floors (plumbing and electric work separate bids). Owners taking bids, due December 27th at noon. F. G. Stewart, 1619 Sansom street, is figuring.

Service Building, 804 North Broad street, Philadelphia. Architect, J. Ethan Fieldstein, Hale Building, Philadelphia. Owners, Levick & Woldow, 1829 South Seventh street, Philadelphia. Brick and terra cotta, 3 stories, 20x160 feet, slag roof, cement and plank floors, tile work (plumbing, heating and electric work reserved). Plans completed. Architect will take bids in a few days.

Patrol, Garage and Completion of Fire House and Police Station, Hunting Park avenue and Schuyler street. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick, 1 story, 30x40 feet, tile roof, cement floors, metal lath, metal lockers (plumbing, heating and electric work separate bids). Owners have received bids.

Store (alt.), 1311-13 Sansom street, Philadelphia. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Yahn & McDonnell, Fifteenth and Chestnut streets, Philadelphia. Steam heating, electric lighting, metal lath, hollow tile work, maple and parquet floors, cabinet work, tile work, store fixtures. Architects taking bids, due December 26th. Robert Tarlo & Son, 415 S. Fifth street; Pomeroy Const. Co., 1609 Ransstead street; Freund Const. Co., Bulletin Building; H. E. Baton, Twelfth and Sansom streets; Hughes-Foulkrod Co., Commonwealth Building; Hogg Const. Co., 1634 Sansom st.; D. J. McNamee, 1621 North Fifteenth street, are figuring.

Office Building Annex (Alt.), 1219-25 Vine street, Philadelphia. Architects, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, Famous Players' Exchange, on premises. Brick, first floor and balcony, electric lighting, metal lath, pine, cement and maple floors, hollow tile, kalamein doors, sprinklers, tile and marble work, office parti-

tion, cabinet work. Architects taking bids, due December 26th. Robert Tarlo & Son, 415 South Fifth street; Pomeroy Const. Co., 1609 Ransstead street; Freund Const. Co., Bulletin Building; H. E. Baton, Twelfth and Sansom streets; Hughes-Foulkrod Co., Commonwealth Building; Hogg Const. Co., 1634 Sansom street; D. J. McNamee, 1621 North Fifteenth street, are figuring.

School and Convent, Seventeenth and Stiles streets, Philadelphia. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owners, Church of the Gesu, care of Rev. J. Chas. Davey, S. J., pastor, southeast corner Eighteenth and Thompson streets. Brick, stone, reinforced concrete, terra cotta trim, 3 stories, 71x31 feet and 42x65 feet, slag and copper roof, maple floors (heating reserved), electric lighting, metal lath and sash, fire doors, hollow tile, copper skylights, tile and marble work, metal window guards, terrazzo work. Architect taking bids, due December 29th. Wm. R. Dougherty, 1610 Sansom street; Doyle & Co., 1519 Sansom street; John McShain, 1610 North street; Wm. J. McShane, 417 S. Thirteenth street; A. R. Raff Const. Co., 1635 Thompson street; H. E. Baton, Twelfth and Sansom streets; Melody & Keating, 1322 Race street; Warren-Moore & Co., Commercial Trust Building, are figuring.

Building Materials and Supplies for 1917. Owners, City of Philadelphia, Commissioners of Fairmount Park, Jesse T. Vodges, Chief Engineer, Room 127 City Hall, Philadelphia. Lumber, bricks, cement, gravel, hardware, paints, glass, cut iron, plumbing supplies, tin settees, picnic tables, border irons, terra cotta pipe, broken trap rock, free guards, cut granite curbing, vitrified blocks, fencing and granolithic and asphalt paving. Owners taking bids, due December 27th.

Patrol Garage and Completion of Firehouse and Police Station, Hunting Park avenue and Schuyler street, Philadelphia. Architects, Simon & Bassett, 1112 Chestnut street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick, 1 story, 30x40 feet, tile roof, cement floors, metal lath, metal lockers (plumbing, heating and electric work separate bids). Lowest bidder, H. H. Wohmeyer, 1004 West Lehigh avenue, Philadelphia.

Dry Dock, League Island, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Bureau of Yards and Docks, F. R. Harris, Chief, Navy Department, Washington, D. C. Concrete, 110x1000 feet. Own-

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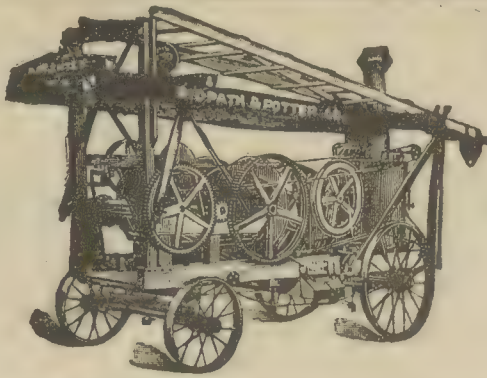
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ers taking bids, due January 19th, 1917. Plans and specifications can be obtained from the Bureau at Washington, D. C., or Commandant's Office at League Island, Philadelphia.

Residence, Chestnut Hill. Architects, Duh-ring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 74x30 feet; 1 story, 14x22 feet, slate roof (heating, electric work and plumbing reserved), hardwood floors, tile work, cement floors, metal lath. Architects taking bids, due December 20th. In addition to those reported, W. O. Springer, 1624 Latimer street, is figuring.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Machine Shop, Blabon street and Huting Park avenue, Philadelphia. Architects, Wm. Steele & Sons Co., Sixteenth and Arch streets, Philadelphia. Owners, Link Belt Co., Hunting Park avenue and Nicetown station. Brick, steel, reinforced concrete and terra cotta, 2 stories, 221x245 feet, asbestos and A. P. M. roofing, maple, wood block and cement floors, metal sash, waterproofing, fire doors (electric work, elevator and heating reserved), rolling steel shutters and doors. Contract awarded to Wm. Steele & Sons Co., Sixteenth and Arch streets, who are taking sub-bids, due December 21st.

Playgrounds, Whitehall Commons and Francis and Shirley streets. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, City Hall. Shelter buildings, 1 story, frame, 24x42 feet, asbestos shingle roof, cement floors (plumbing separate bids), swimming pool, iron fences and gates, cement walks, grading and surfacing. Contracts awarded to George Dobbin, 8341 Germantown avenue, for Whitehall Commons, \$1,998. Contract for Francis and Shirley streets awarded to M. & J. B. McHugh, 892 North Markoe street, \$4,400.

Dye House, Hancock and Berks streets, Philadelphia, \$10,000. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Walter E. Knipe & Sons, on premises. Brick and timber, 1 story, 54x89 feet, slag roof. Contract awarded to H. E. Baton, Twelfth and Sansom streets, Philadelphia.

Factory and Boiler House, Loudon street and P. & R. Rwy., Wayne Junction. Architect, private plans. Owners, Ferguson Carpet Co., Wayne avenue and P. & R. Rwy. Brick and reinforced concrete, 1 story, 65x281 feet, slag roof, steam heating, electric lighting, cement floors, metal sash, steel and fire doors, sprinklers, asphalt paving. Contract awarded to Roydhouse-Arey Co., Fidelity Building, Philadelphia.

Machine Shop, north side of Sedgley avenue, east of Graz street. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Wiedemann Machine Co., on premises. Brick, steel and concrete, 1 story, slag roof, metal sash, concrete floors, electric lighting. Contract awarded to Barclay White Company, 1713 Sansom street, Philadelphia.

Store Building, 716 North Broad street, Philadelphia. Architect, Frank E. Hahn, 908 Chestnut street, Philadelphia. Owner, Wm. Stellwag, 702 North Broad street, Philadelphia. Consists of alterations to first floor, new hot water heating, electric lighting, new floors, new front, etc. Contract awarded to Ira K. Davis, 3020 North Twenty-fourth street, Philadelphia.

Storage Shed, southeast corner of Thirty-

first and Master streets, \$2,000. Architect, private plans. Owners, Walters Milling Co., on premises. Steel and corrugated iron, 1 story, general fire repairs. Contract awarded to P. Haiback Cont. Co., Twenty-sixth and Thompson streets.

Residence and Garage, Overbrook, Philadelphia, \$20,000. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owners, Morris Estate, care of H. P. Wright, Overbrook. Stone, 2½ stories, 73x29 feet and 1 story, 42x22 feet, shingle roof (heating reserved), electric lighting, tile work, hardwood floors, cement floor in garage, metal lath. Contract awarded to Wm. J. Gruhler Co., 219 East High street.

Store and Dwelling, 1122 South Broad st., Philadelphia, \$2,000. Architect, private plans. Owner, Miss Mary Wilson, on premises. Brick, tin roof, hot air heating, electric lighting, metal lath, pine floors, new bulk, tile and marble work. Contract awarded to Sutton & Stephenson, 1317 Washington avenue.

Manufacturing Building, Second and Florist streets, Philadelphia. Architects, Wm. Steele & Sons Co., Sixteenth and Arch streets, Philadelphia. Owners, J. E. Lonergan Co., 211 Race street, Philadelphia. Brick and reinforced concrete, 2 stories, 44x100 feet, slag roof (elevator, heating and lighting reserved), cement floors, metal lath and sash, waterproofing and dampproofing, fire doors, safety treads, rolling steel doors. Contract awarded to Wm. Steele & Sons Co., Sixteenth and Arch streets, who are taking sub-bids, due December 18th.

Warehouse "C," Girard Point, Philadelphia, \$32,000. Assistant engineer, J. F. Cullen, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Concrete piers, pine floors. Contract awarded to Charles McDermott Co., Pennsylvania Building, Philadelphia.

Garage and Office, coal yard, Fourth and Allegheny avenue, Philadelphia. Architect, private plans. Owners, Philadelphia and Reading Railroad Co., Reading Terminal, Philadelphia, \$10,000. Brick, 1 and 2 stories, 20x43 feet, tin and slag roof, hot water heat, electric lighting, metal lath, pine and cement floors. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

Chapel, Seventh and Wyoming avenue, Philadelphia, \$1,000. Architect, private plans. Owners, Board of English Lutheran Home Missions of General Council, care of Rev. Bertollett, 1346 Jerome street, Philadelphia. Frame, 1 story, 20x60 feet, prepared roofing, pine floors (heating and lighting reserved), wall board. Contract awarded to Henry P. Schneider, 3713 Old York road.

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Architect, Spencer Roberts, 1524 Chestnut st., Philadelphia. Owners, Church of the Ephiphany, care of Rev. I. A. McGrew, Pelham road, Germantown. Stone, 1 story, 50x99 feet, slate roof (electric lighting and heating reserved). Contract awarded to Wm. J. Gruhler & Co., 219 East High street, Germantown.

Garage, Master above Thirty-first street,

\$15,000. Architect, private plans. Owners, Beam-Fletcher Corp., Land Title Building, Philadelphia. Brick and concrete, 1 and 2 stories, 105x152 feet, slag roof, cement and plank floors (heating and lighting not decided), rolled steel sash, ventilators. Contract awarded to John N. Gill & Co., Heed Building, Philadelphia.

PENNSYLVANIA Construction News

Bottling House, Garage and Stable, Hazleton, Pa., \$12,000. Architect, David Levy, Buckley Building, Allentown, Pa. Owners, Hazleton Bottling Works, J. Benjamin, Hazleton, Pa. Brick, 2½ and 1 stories, 40x60 feet, 40x20 feet and 20x20 feet, steam heating, electric lighting, slag roof, elevators. Plans in progress.

Residences (15), Rosemont, Pa., \$70,000. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Harold T. Magee, Wilbur Trust Building, South Bethlehem, Pa. Rough Tex brick, hollow tile and stucco, 2 stories, 26x30 feet, asbestos, wood shingle roof, hardwood and tile floors, hot water heating, electric lighting. Plans in progress.

Hospital, Fourth and Chew streets, Allentown, Pa., \$200,000. Architect not yet selected. Owners, the Sacred Heart Hospital, Monsignor P. J. Masson, Allentown, Pa. Work contemplated.

Apartment and Store, Fourth and Hamilton streets, Allentown, \$10,000. Architect, David Levy, Buckley Building, Allentown, Pa. Owner's name withheld. Brick and steel, 3½ stories, 30x60 feet, slag roof, steam heating, electric lighting, metal lath, fire doors, sprinklers. Plans in progress.

Church, East Fourth and Centre streets, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, St. John Magyar R. C. Church, Rev. John P. Schinko. Stone, 1 story, 161x85 feet, slate roof, steam heating, electric lighting. Owners taking bids. Butz & Clader, Allentown, Pa., are figuring.

Residence and Garage, Haverford, Pa., \$20,000. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, David S. Ludlam, care of Auto Car Co., Ard-

more, Pa. Stone, 2½ stories. Plans in progress.

Manufacturing Building, Marcus Hook, Pa., \$30,000. Architect, private plans. Owners, Headley Good Roads Co., 301 South Thirtieth street, Philadelphia. Reinforced concrete, 1 and 2 stories, slag roof, steam heating, electric lighting, cement floors. Plans in progress.

Shop, Show Room and Garage, Eleventh and Main streets, Coatesville, Pa. Architects, Kerns & Carroll, Coatesville, Pa. Owners, Norris B. Slack & Son, West Chester, Pa. Brick and steel, terra cotta trimmings, 1 story, 30x104 feet and 54x138 feet, slag roof, maple, cement and terrazzo floors, electric lighting (heating reserved), metal ceiling, metal sash, metal front, tile and marble work. Architects have received bids.

Warehouse (alt. and add.), Third and Kerlin streets, Chester, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, John J. McClure, 700 West Third street, Chester, Pa. Brick and reinforced concrete, 3 stories addition, 41x47 feet, slag roof, cement and maple floors, metal lath, dampproofing, fire doors (plumbing, heating, lighting, elevator, painting and tile work reserved), rolling steel doors. Architects taking bids, due December 21st. In addition to those previously reported, James H. Wells, Heed Building, and Barclay White & Co., 1713 Sansom street, are figuring.

High School, Upper Darby, Pa., \$250,000. Architect not selected. Owners, School Board of Upper Darby, care of Wm. H. Jones, president, Upper Darby, Pa. Stone, 2 stories, 100x200 feet, slag roof. Details not decided. Plans will be started in January, 1917.

Residence, Merion, Pa. Architects, Druckemiller & Williams, Land Title Building, Philadelphia. Owner, F. H. Mahan, Ardmore,

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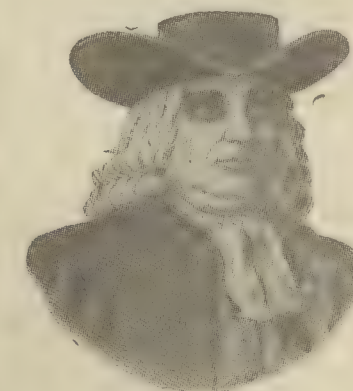
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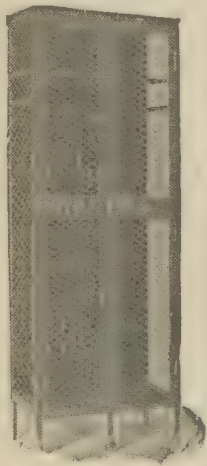
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Pa. Brick, hollow tile and plaster, 2½ stories, 22x40 feet; wing, 15x16 feet, shingle roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed. Owner will take sub-bids in one week.

Rectory, Bridge street, Schuylkill road, Birdsboro, Pa. Architect, H. G. Hammer, Glenside, Pa. Owners, Italian Roman Catholic parish of Immaculate Conception, care of Rev. Victor Strumia, Birdsboro, Pa. Stone and plaster, 2½ stories, 26x30 feet, shingle and tin roof, hot air heating, electric lighting, pine floors. Architect has received bids.

Residence, Ardmore, Pa., \$12,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner's name withheld. Brick, 2½ stories, 30x45 feet, slate or shingle roof; wing, 20x25 feet, hot water heating; electric lighting, hardwood floors. Architects taking bids, due December 22nd. Abel Bottoms & Sons Co., 3611 Walnut street, are figuring, in addition to those previously reported.

Freight House, Office and Platform, Vine and Mine streets, Hazleton, Pa. Engineer, Chief Engineer L. V. R. R., 143 Liberty street, New York City. Owner, Lehigh Valley Railroad, 228 South Third street, Philadelphia. Brick, steel and concrete, terra cotta trim, 2 and 1 stories, 42x304 feet and 20x140 feet, J. M. asbestos roof, steam heating, electric lighting, metal lath and sash, cement and pine floors, kalamein doors, ventilators, tile work, rolling steel doors and shutters. Owners, care of Engineering Department, taking bids, due December 23rd. F. L. Hoover & Sons, 1023 Cherry street, Philadelphia, are figuring.

Institution for Deaf and Dumb Children, Lansdowne avenue and Garrettsford road, Delaware County, Pa., \$1,500,000. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, Archbishop E. F. Prendergast, Eighteenth and Race streets, Philadelphia. Stone, brick, steel, terra cotta, 3 stories, metal lath, concrete work, steam heating, electric lighting. Preliminary plans in progress.

School, Newtown, Bucks County, Pa. (also repairs to Old School).. Architect, Edwin F. Bertollett, 1614 Cherry street, Philadelphia. Owners, School Board of Newtown, Newtown, Pa. Brick or stone, 2 stories, 76x82 feet, slate roof (heating, lighting reserved), pine and reinforced concrete floors, metal lath and sash, waterproofing, fire doors, ventilators. Owners advertising for new bids.

Warehouse (alt. and add.), Third and Kerlin streets, Chester, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, John J. McClure, 700 West Third street, Chester, Pa. Brick and reinforced concrete, 3 additional stories, 41x47 feet, slag roof, cement and maple floors, metal lath, dampproofing, fire doors (plumbing, heating, lighting, elevator, painting and tile work reserved), rolling steel doors. Architects taking bids, due December 21st. H. E. Grau Co., 1707 Sansom street; Roydhouse-Arey Co., 112 North Broad street, and F. A. Havens Co., 845 North Nineteenth street, Philadelphia, are figuring.

Passenger Station, Chester Heights, Pa. Architects, Maintenance of Way Department, Broad Street Station, Philadelphia. Owners,

Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, 1 story, 16x30 feet, tile roof, cement and pine floors, electric lighting. Plans completed. Owners, care of Wilmington Division, will take bids.

Factory, Reading, Pa., \$20,000. Architect, G. C. Freeman, Reading, Pa. Owner's name withheld. Brick, 3 stories, 78x35 feet, slag roof, steam heating, electric lighting, mill construction. Plans in progress.

Residences (3), Wyomissing, Pa., \$18,000. Architect, private plans. Owner, John Steiner, Wyomissing, Pa. Brick and frame, 2½ stories, 34x36 feet, slate roof, hot air heating, electric lighting, hardwood and tile floors. Owner will sub-let all contracts.

Bungalow, Penfield, Pa. Architect, R. H. Pepper, 1808 North Seventh street, Philadelphia. Owner's name withheld. Stone and frame, 1 story, 39x23 feet, shingle roof, steam heating, gas lighting, pine floors. Plans in progress. Architect will be ready for bids in two weeks.

Residence and Garage, Norristown, Pa. Architect, Edw. F. Bertollett, 1614 Cherry st., Philadelphia. Owner, David A. Longacre, Main street, Norristown, Pa. Stone, frame and plaster, 2½ stories, 45x56 feet, slate roof, steam heating, electric lighting, oak floors, tile work. Plans about completed. Owner will take bids in a week.

Residence, Matson Ford road, Radnor, Pa. Architect, Edwin H. Fetterolf, 1524 Chestnut street, Philadelphia. Owner, Mrs. Ninian Caldwell Cregar, Radnor, Pa. Frame and plaster, 2½ stories, 24x106 feet, tile and canvas roof, hot water heating, vapor vacuum heating, electric lighting, tile, maple and pine floors, vacuum cleaner system, metal lath. Architect taking revised bids, due December 22nd. The following are figuring: Gray Bros., Rosemont, Pa.; J. D. Lengle, Wayne, Pa.; Millard N. Croll, Radnor, Pa.; Harry N. Bichn, Quakertown, Pa.

Garage, Latham Park, Montgomery County, Pa. Architect, J. P. Klinges, Jr., 1012 Walnut street, Philadelphia. Owner, Richard J. Steiner, Westmoreland and Howard streets. Stone and plaster, 1½ stories, 36x24 feet, tile roof, hot water heating, electric lighting, metal lath, cement and pine floors. Architect taking bids, due December 22nd. F. B. Davis, 240 North Sixteenth street; F. E. Wallace, 1220 Chancellor street; George Kessler Cont. Co., Drexel Building; F. G. Stewart, 1619 Sansom street; E. E. Hollenback, Fifteenth and Race streets; Elfret & Co., 1633 Ransstead street, are figuring.

Warehouse (alt. and add.), Chester, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, John J. McClure, 700 West Third street, Chester, Pa. Brick and reinforced concrete, 3-story addition, 41x47 feet, slag roof, cement and maple floors, metal lath, dampproofing, fire doors (plumbing, heating, lighting, elevator, painting and tile work reserved), rolling steel doors. Architects taking bids, due December 26th. H. L. Morris, 312 West Seventh street, Chester, Pa.; E. E. & A. L. Flounders, Media, Pa.; Chester Const. & Cont. Co., Heed Building, Philadelphia, are figuring, in addition to those previously reported.

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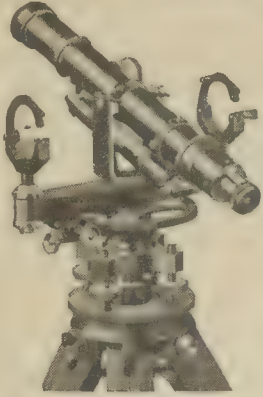
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PENNSYLVANIA Contracts Awarded

Residence, southeast corner West and Hamilton streets, Allentown, \$18,000. Architect, David Levy, Buckley Building, Allentown, Pa. Owner, A. Sofransey, Allentown, Pa. Hollow tile and stucco, 2½ stories, 40x28 feet and 15x20 feet, tile roof, vacuum heating, electric lighting, metal lath, hardwood floors, weather strips, tile and marble work. Contract awarded to P. F. Landenslager, Allentown, Pa.

Hospital (add.), Fountain Hill, South Bethlehem, Pa., \$35,000. Architect, A. W. Leh, South Bethlehem, Pa., P. O. Building. Owners, St. Luke's Hospital, on premises. Brick and hollow tile, 1 story, 135x35 feet, slate roof, steam heating, electric lighting, metal sash. Contract awarded to George Nerdinger, Wilbur Trust Building, South Bethlehem, Pa.

Law School, Carlisle, Pa., \$41,000. Architect, R. R. Markley, Patriot Building, Harrisburg, Pa. Owners, Dickinson School of Law, care of Joseph McKeehan, Carlisle, Pa. Brick, stone trim, 2 stories, 132x62 feet, slate roof, steam heating, electric lighting, metal lath, waterproofing, sprinklers. Contract awarded to H. A. Lackey, Carlisle, Pa.

School (alt.), Gladwyne, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Lower Merion Township, School Officer, High School, Ardmore. Consists of new plumbing, slate work. Contract

awarded to Philip S. Davis, Bryn Mawr, Pa.

High School (add.), Chester, Pa., \$63,697. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education. George Mitchell, chairman, Chester, Pa. Brick and stone, 2 stories, 76x101 feet, slate roof, metal lath, roof ventilator, kalamein doors, safety treads, reinforced concrete floors, iron stairs. Contract awarded to H. Louis Morris, Chester, Pa.

Green House and Work Room, Rydal, Pa. Architects, Duhring, Okie & Ziegler, Bailey Building, Philadelphia. Owner, Charles E. McInness, Woodland road, Rydal, Pa. Stone and frame, greenhouse, 1 story, 18x50 feet; work room, 1½ stories, 18x20 feet, shingle roof, cement and pine floors (plumbing and heating reserved). Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

Passenger Station and Platform, Freeport, Pa., \$50,000. Architect, Wm. H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, steel, terra cotta, 2 stories, 114x40 feet, green tile and slag roof, tile floors, electric light, steam heat, composition and cement floors, marble work, waterproofing, skylights. Contract awarded to W. H. Fissell & Co., 1328 Broadway, New York City.

NEW JERSEY Construction News

Cigar Factory (alt. and add.), Adeline and Beatty streets, Trenton. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Bayuk Bros., Third and Spruce streets, Philadelphia. Brick, slow burning, 3 stories, 40x100 feet; wing, 1 story, 22x100 feet, slag roof, new steam heating, elevator, electric lighting, modern plumbing, skylights, wood and composition floors. Architect ready for bids.

Residence and Garage, Haddonfield, N. J. Architect, W. W. Sharpley, Brown Bros. Building, Philadelphia. Owner, Elias Davis, Haddonfield, N. J. Stone or hollow tile, 2½ and 1 stories. Plans in progress. Too early for details.

Bank, South Broad and Market streets, Trenton, N. J., \$100,000. Architects, W. W. Slack & Son, American Mechanics' Building, Trenton, N. J. Owners, Mercer Trust Co., on premises. Stone and brick and steel, 1 story, 44x100 feet. Plans in progress.

Fire Houses (2), Pennsylvania avenue and Indiana avenue, Atlantic City, N. J., \$80,000. Architect not selected. Owners, City of Atlantic City, Department of Public Safety, City Hall, Atlantic City, N. J. Too early for details.

Church, North Carolina and Pacific avenues, Atlantic City, \$100,000. Architects, J. C. Mathis & Charles H. Adams, Guarantee Trust Building. Owners, First Baptist Church, Atlantic City, N. J. Plans in progress. Too early for details.

Apartment, Pennsylvania avenue, Atlantic City, N. J., \$200,000. Architect, J. C. Mathis, Guarantee Trust Building, Atlantic City. Owners, Revere Apartment Co., H. G. Harris, president, Guarantee Trust Building, Atlantic City, N. J. Brick, hollow tile and steel, 5 stories, 2 wings, 34x132 feet and 24x34 feet, slag roof, hot water heating, electric lighting, metal lath, fire doors, hot water heating, elevators, dumb waiters, tile and marble work.

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Plans in progress. Ready for bids in two weeks.

Apartments, Arctic and Virginia avenues, Atlantic City, \$10,000. Architect, Wm. S. Hewitt, Guarantee Trust Building, Atlantic City. Owner, Max L. Nallin, 100 North Virginia avenue, Atlantic City. Brick, hollow tile, stucco and steel, 3 stories, 45x52 feet, slag roof, hot water heating, gas lighting, metal lath, waterproofing fire doors, ventilators, tile and marble work, hardwood floors. Owner taking bids. Schinkmann & Yarmou, L. Gilenxki, Wesley B. Porch and C. Dougherty, all of Atlantic City, N. J., are figuring.

Residence, North Cambridge avenue, Ventnor, N. J., \$4,500. Architect, S. G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, Harry G. Scull, Sheen Building, Atlantic City, N. J. Frame and stucco, 2½ stories, 26x36 feet, slate roof, hot water heating, electric lighting. Plans in progress. Owner will sub-let all contracts.

Residence, North Tallahassee avenue, Atlantic City, \$10,000. Architect, S. G. Dobbins, South Tennessee avenue, Atlantic City. Owners, Piazza Land Co., Bartram and Atlantic avenues, Atlantic City. Frame and stucco, 2½ stories, 30x44 feet, slate roof, hot water heating, electric lighting, metal lath, hardwood and tile floors. Owners taking sub-bids on all lines.

Residences (4), Plaza Place, Atlantic City, N. J., \$30,000. Architect, S. G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owners, Piazza Land Co., Atlantic City, N. J. Frame and stucco, 2½ stories, 36x34 feet and 36x42 feet, slate roof, hot water heating, electric lighting, metal lath, tile floors. Owners taking sub-bids.

Factory (Cigar) (alt. and Add.), Adeline and Beatty streets, Trenton, N. J. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Bros., Third and Spruce streets, Philadelphia. Brick, slow burning, 3 stories, 40x100 feet; wing, 1 story, 22x100 feet, slag and slate roof, metal lath, steam heating, elevator, electric lighting, modern plumbing, skylights, wood and composition floors. Architect taking bids, due as soon as possible. Metzger & Fisher, Denekla Building; Smith-Hardican Co., 1606 Cherry street; James M. Tighe & Co., 245 North Eleventh street; BaBiley Lush Co., 201 North Broad street, Philadelphia, are figuring.

New Jersey Contracts Awarded

Store and Apartments, Atlantic near Virginia avenue, Atlantic City, N. J., \$7,000. Architect, S. G. Dobbins, 10 South Tennessee avenue, Atlantic City. Owner, A. D. Graban, 1316 Atlantic avenue, Atlantic City. Brick and steel, 2 stories, 20x110 feet, slag roof, hot water heating, electric lighting, hardwood and tile floors, store fixtures. Lowest bidder, H. G. Scull, Atlantic City, N. J.

Warehouse, Olden avenue and Parker street, Trenton, N. J., \$10,000. Architect, J. Osborn Hunt, 114 North Montgomery avenue, Trenton, N. J. Owners, Manufacturers' Selling

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.
DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.

Co., Broad State Building, Trenton. Brick, 1 story, 40x100 feet, 50x50 feet, slag roof, steam heating, electric lighting, rolling steel doors. Contract awarded to Wm. R. Ivins, Trenton, N. J.

Apartment (alt. and add.), 9 South Arkansas avenue, Atlantic City, \$5,000. Architect, Frank Berry, Guarantee Trust Building, Atlantic City. Owner, Mrs. Robert J. O'Neil, Atlantic City, N. J. Stucco, 4 stories, 18x65

feet, slag roof, tile floors, electric lighting, metal lath, new plumbing. Contract awarded to Herman Schabinger, Atlantic City, N. J.

Residence (alt.), Merchantville, N. J., \$5,000. Architect, private plans. Owner, J. P. Mathieu, 1605 Allegheny avenue, Philadelphia. Brick and frame, 2½ stories, plumbing, painting, mill work, pine floors. Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

MARYLAND

Construction News

Residence (alt. and add.), Brookfield avenue, Baltimore, Md. Architect, Louis Levi, Munsey Building, Baltimore, Md. Owner, Samuel Blum, 305 North Gay street, Baltimore. Brick addition, consists of general and exterior alterations and additions. Plans in progress.

Bank Building, Pennsylvania avenue, Baltimore, Md. Architect, A. C. Leach, 323 North Charles street, Baltimore. Owners, Calvert Bank, Baltimore, Md. Brick and stucco, 1 story, slag or slate roof, electric lighting, ventilators, concrete work, plumbing, interior tile, terrazzo work. Plans in progress.

Residence and Garage, Guilford, Md., \$20,000. Architect, Laurence H. Fowler, 347 North Charles street, Baltimore. Owners, E. E. Gibbs, Southern Can Co., 717 South Wolfe street, Baltimore. Brick, 2½ stories. Plans in progress. Too early for details.

Garage, Office and Shop Building, Columbia avenue, near Bayard street, Baltimore. Architect, private plans. Owner, Wm. Sauer, care of Monitor Steam and Hot Water Heating Co., 212 West Fayette street, Baltimore. Brick, 1 story; garage, 22x175 feet; office and shop, 90x175 feet, corrugated iron roof, hot water heating, electric lighting, concrete floors. Owners will be ready for bids shortly.

Store (alt.), 909 North Charles street, Baltimore, Md. Architect, Laurence H. Fowler, 347 North Charles street, Baltimore. Owner, G. F. Bucholz, 321 West Monument street, Baltimore. Consists of new front and gallery, brick and sheet metal work, electric lighting, painting and modern plumbing. Plans in progress.

Warehouse, 1716 North Charles street, Baltimore. Architects, Wyatt & Nolting, Keyser Building, Washington, D. C. Owner, Thomas Vickory, care of Baltimore Storage Co., 1710 Edmondson avenue, Baltimore, Md. Brick, steel and concrete. Plans in progress. Too early for details.

Residences (5), Roland avenue, near University Parkway, Baltimore, \$20,000. Architect, Stanislaus Russell, 3900 Clifton avenue, Baltimore. Owner, Philip S. Morgan, 12 East Lexington street, Baltimore. Brick, 2 stories,

slate roof, hot water heating, electric and gas lighting, painting, plumbing, tile work. Owners will take sub-bids on all lines.

Residence, Green Spring Valley, Md. Architect, Theo. W. Pietsch, American Building, Baltimore. Owner, A. Stanley Zell, 11 East Mt. Royal avenue, Baltimore. Stone, brick and stucco, 2½ stories, slate roof, electric lighting, tile work, hardwood floors, vacuum cleaning, heating not decided. Architect taking bids, due January 1st. The following are figuring: West Const. Co., American Building; Gladfelter & Chambers, Thirty-sixth and Roland avenue; Sylvester Marshall, Owings Mills, Md.; Blake & Engle, Law Building; John Waters Building Co., 23 East Center street; Cowan Building Co., 106 West Madison street, Baltimore, Md.

School Building, Fayette street, between Payson and Pulaski streets, Baltimore. Architect, Hugh I. Kavanagh, 226 East Eager street, Baltimore. Owners, Novices' Training School, care of Sister Bon Secour, Baltimore, Md. Brick, 4 stories, 40x90 feet, slag roof, steam heating, electric lighting, electric elevator, reinforced concrete work, decorating, painting, modern plumbing. Architect has received bids.

Residences (10), north side of Twenty-eight street, near York road. Architect, private plans. Owners, Lohmuller Building Co., 1735 North Broadway, Baltimore, Md. Brick, 2 stories, tin roof, electric lighting. Owners taking sub-bids on all lines.

Residence (fire damage), 821 Brooks Lane, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Samuel Blum, 305 North Gay street, Baltimore, Mr. Brick. Plans about to be started. Too early for details.

Armory, Cambridge, Md. Architect, J. Ben Brown, Cambridge, Md. Owners, State of Maryland, care of State Governor, Baltimore, Md. Brick, stone and plaster, 2 stories and basement, 81x31 feet and 63x118 feet, slag roof, pine and cement floors, metal lath, ventilators (plumbing, heating, electric work and elevator separate bids. Owners taking bids, due December 20th. James H. Wells, Heed Building, Philadelphia, are figuring.

Baltimore, Md., \$6,000. Architect, private plans. Owner, Harry A. Allers, 1003 Emerson Building, Baltimore, Md. Frame, 1½ stories, slate or shingle roof, hot water heating, electric lighting. Contract awarded to Norman R. Allers, 1003 Emerson Building, Baltimore.

Factory, Mt. Winans, Md., \$180,000. Engineers, G. S. Painter Co., 324 North Charles street, Baltimore. Owners, Baltimore Enamel and Novelty Co., Woodall street, Baltimore. Brick, 2 stories, 260x458 feet, slag roof, concrete floors, skylights, steel rolling doors, dumb waiter, 3 elevators, cement floor, sprinkler system, electric work, heating, furnaces and plumbing reserved. Contract awarded to Price Concrete Const. Co., Maryland Trust Building, Baltimore.

Garage, 2600 to 2608 Pennsylvania avenue, Baltimore. Architect, J. Frankklm Nelker, 330 North Charles street, Baltimore. Owner, Nimrod M. Crooks, 540 Lexington Market, Baltimore. Brick and concrete, 1 story, 157x114x152 feet, slag roof, metal sash, steel work (plumbing and heating reserved). Contract awarded to P. J. Cushen, 217 St. Paul street, Baltimore.

Miscellaneous Construction News

Residence, Staunton, Va., \$15,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owner, H. McKay Smith, Staunton, Va. Stone, 2½ stories, 40x60 feet. Preliminary plans in progress.

Fraternity Buildings (7), Newark, Del. Architects, Day & Klauder, 925 Chestnut st., Philadelphia. Owners, Delaware College, Newark, Del. Brick, stone trimmings, 2 and 3 stories, slate and slag roof, steam heating, electric lighting, cement and pine floors. Architects taking approximate bids. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

Apartment (alt. and add.), Wilmington, Del., \$5,000. Architect, E. L. Rice, Jr., Co., 815 Market street, Wilmington, Del. Owner's name withheld. BBrick, 4 stories, 32x20 feet, slag roof, electric lighting. Plans in progress.

Hotel, Washington, D. C. Architects, Hewitt & Granger, Bullitt Building, Philadelphia. Owners, Harvey Hotel Co., care of John Hallman, president, Hotel Rudolph, Atlantic City, N. J. Brick, steel, concrete, terra cotta. Preliminary plans in progress. Too early for details.

Residence, Dark Harbor, Me., \$20,000. Architects, Mellor & Meigs, 205 South Juniper street, Philadelphia. Owner, Mrs. A. J. A. Devereux, Camp Hill, Pa. Frame, 1½ stories, shingle roof. Contract awarded to W. E. Hatch, Dark Harbor, Me.

It isn't enough to just advertise. There is competition these days in advertising, as in other things. You must make your advertising attractive. You must make it say something,—something definite, original and convincing. If you lack faith in your own ability to do this, let us do it for you. Give us the facts. Talk to us just as you would to a prospective buyer. That is the kind of talk that makes profitable advertising. We'll look after the verbal frills. That's our business.

MARYLAND

Contracts Awarded

Apartment House, 3515 Carlisle avenue, Baltimore, Md., \$20,000. Architect, private plans. Owner, P. E. Kesterson, 3401 Carlisle avenue, Baltimore. Brick, 3 stories, 40x60 feet, tin and slag roof, steam heating, electric light-

ing, fire escapes, concrete work, interior tile work, dumb waiters. Contract awarded to John F. Hardy, Groveland avenue, Baltimore, Md.

Bungalow, Brookline and Berwyn avenue,

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



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They have spoken of the daily and weekly newspapers, the agricultural press, the magazines, the billboards, the street cars, and even the advertising novelties, as the forces that have played an important part in this wonderful upbuilding, but they have wholly missed the greatest force of them all—the trade and technical press of the country."—R. R. Shuman before the annual convention of the Associated Advertising Clubs at Omaha.

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"I am here as the self-appointed representative of 900 trade and technical publications printed in the United States and circulated wherever the English language is spoken. How important they are in their relation to advertising may be understood when I tell you that they carry, in the aggregate, advertising to the amount of at least \$25,000,000 a year—one-eighth of all the advertising money that is spent for all forms of publicity in the country—and that these advertisers 'stick' year after year because it pays them to stick.

I have bought, sold and written all kinds of advertising—pasted and printed, indoor and outdoor, consumer and dealer, technical and commercial—and I have reached the conclusion that there is more real gold as yet unmined in the trade press field than in any other field of advertising endeavor."—Extract from address by R. R. Shuman, before the annual convention of the Associated Advertising Clubs at Omaha.

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Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philadelphia

Shop, Delaware avenue and Mifflin street, \$6,000. David Berg Distilling Company (O). Joseph Levin Co. (C), 1530 South Sixth street. Brick, 1 story, 50x84 feet, truss roof.

Garage, 2427 W. York street, \$2,000. Geo. Walters (O), on premises. J. G. Miller (C), 2315 W. Clearfield street. Brick, 1 story, 40x30 feet, sla roof.

Nurse, 5918 Morlan street, \$4,300. Morton Street Day Nursery (O), on premises. Wm. Wright (C), 22 Harvey street, Germantown. Brick, 3 stories, 27x46 feet, slag roof.

Dwellings (28), Third and Duncannon sts., \$56,700. Segal & Cohen (O and C), 2434 S. Sixth street. Brick, 2 stories, 16x45 feet, slag roof, hot water heating.

Dye house, Palethrope and Berks streets, \$6,000. Walter E. Kuepe & Son (O and C), Hancock and Berks streets. Brick, 1 story, 53x89 feet, concrete roof.

Storage, 112-114-116 Race street, \$6,000. Front St. Stores (O), 146 North Front street. Smith Hardican Co. (C), 1606 Cherry street. Brick, 3 stories, 45x76 feet.

Garage, 6825 Germantown avenue, \$4,000. Andrew Knoff (O), 6825 Germantown avenue. L. Kitselman (C), 125 E. Upsal street. Brick, 1 story, 100x20 feet, slag roof.

Garage, 162 E. Walnut lane, \$8,000. Ellen Danlevy (O), 162 E. Walnut lane. James H. Walten (C), 168 E. Walnut lane. Brick, 1 story, 16x21 feet, tile and cement roof.

Dwellings (16), Smedley street, east of Pike street, \$12,000. F. D. Williams (O and C), 1838 W. Venango street. Brick, 2 stories, 15x28 feet, slag roof, hot water heating.

Dwellings (61), Fairhill and Blanis streets, \$135,700. Harry Brocklehurst (O and C), 512 W. Norris street. Brick, 2 stories, 15x36 feet, slag roof, hot air heating.

Garage, 6135 Larchwood avenue, \$2,600. Napolitan Wood (O), 6020 Pine street. John

Fallom (C), 449 South Sixtieth street. Brick, and concrete, 1 story, 85x18 feet, slag roof.

Garage, Tenth and Morris streets, \$650. P. & R. RR. Co. (O), Reading Terminal. W. G. Schwerker Sons Inc. (C), 2628 Jefferson street. Corrugated iron, 1 story, 43x21 feet.

Garage, 513 E. Tulphocken street, \$630. William Armstrong (O), on premises. R. W. Neff (C), 6610 Germantown avenue. Stone, 1 story, 14x18 feet, reinforced concrete roof. Garage, rear 6628 Green street, \$1,200. M. A. Berkman (O), on premises. Robert Kilough (C), Wayne avenue and Duval street. Stone, 1 story, 19x24 feet, slate roof.

Stable, Ross street, west of Shayack street, \$2,000. C. B. Flew (O), Germantown, Mt. Airy. Fred Elvidge (C), 5528 Germantown avenue. Stable, brick, 2 stories, 16x46 feet, slag roof; wagon shed, 1 story, 16x32 feet, slag roof.

Dwelling, 416 Ruscomb street. Emil P. Stahl (O and C), 4918 North Fourth street. Brick, 2 stories, 16x43 feet, slag roof, hot water heating.

Dwellings (46), Allman street, west of Sixty-fifth street, \$80,000. Herman Keltman (O and C), 2434 E. Clearfield street. Brick, 2 stories, 14x24 feet, slag roof, hot air heating.

Factory, Seventy-third and Powers lane, \$6,350. Penn Tubing Co. (O), Broad and Race streets. E. J. Kreitzburg (C), 1345 Arch street. Brick, 1 story, slag roof, 44x92 feet.

Engine room, Red Lion and Knight roads, \$300. Edward Massell (O), Torresdale, Philadelphia. Owen Menes (C), Torresdale, Philadelphia. Brick, 22x16 feet, 1 story.

Garage, 716 Beach street, \$300. A. Wilt & Sons (O and C), 721 North Front street. General alterations.

Garage, Grant avenue, west of Milnor st., \$4,000. Geo. Bauinier (O), Torresdale, Pa. K. K. Freas (C), Andalusia, Pa. Brick and frame, 1 story, 38x35 feet, slaf.

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**
Tasker Street Wharf, Delaware River, Philadelphia.

Building, James and Fraley streets, \$40,000. Abrasive Co. (O), on premises. John R. Wiggins (C), 1215 Filbert street. Brick, 3 stories, 86x86 feet, slag roof, steam heating.

Garage, 719 Capitol street, \$320. Jas. Baskin (O), 822 W. Clinton avenue. Anthony Gallagher (C), 3706 Haverford avenue. Brick, 1 story, 17x18 feet, sla roof.

Dwellings (2), Seventy-fifth and Buist avenue, \$4,400. John W. Parris (O and C), Seventy-fifth and Island road. Brick, 2 stories, 16x47 feet, slag roof, hot water heating.

Dwelling, Cheltenham avenue and Nasbrook, \$2,800. John Hofstetter O and C), 112 West Tabor road. Brick, 3 stories, 23x34 feet, slag roof, hot water heating.

Garage, 1837-39 North Nineteenth street, (rear), \$3,500. T. Kiesen OO). C. Duvill (C), 1739 North Nineteenth street. Brick, 1 story, 34x98 feet.

Garage, 705-707 South Philipp street, \$6,000. S. Sklaroff & Sons (O), 212 South Second street. Wm. R. Dougherty (C), 1610 Sansom street. Brick, 1 story, 41x41 feet, slag roof.

Stable, Twenty-ninth and Grays Ferry road, \$9,000. Henry Bower Chemical Co. (O), on premises. Horace Russell (C), 206 South Quince street. Brick, 2 stories, 74x26 feet, slag roof.

Dwelling, Overbrook avenue and City line, \$20,000. H. Wright (O), Overbrook, Pa. Wm. Gruhler (C), 219 E. High street. Stone, 3 stories, 44x29 feet, shingle roof, steam heating.

Garage, Overbrook avenue and City line, \$2,00. H. Wright (O), Overbrook, Pa. Wm. Gruhler (C), 219 E. High street. Stone, 2 stories, 3x22 feet, shingle roof.

Garage, 5736 Greene street, \$600. Dr. R. Cummings (O), on premises. Wm. Gruhler (C), 219 E. High street. Brick, 1 story, 27x7 feet.

Building, Robbins and Melnor streets. Ross Tacony Crucible Co. (O), Tacony, Pa. Geo. Gray (C), 4665 Paul street. Brick, 3 stories, 71x71 feet, slag roof, steam heating.

Garage, 17 W. Highland avenue, \$9,000. A. Allen (O), on premises. Pringle Borthwick (C), 8018 Germantown avenue. Brick, 1 story, 105x52 feet, slag roof.

Warehouse, Tioga and Balfour streets, \$20,000. Dill & Collins (O), Richmond and Tioga streets. Wm. Steele & Sons (C), 1600 Arch street. Brick, 2 stories, 56x86 feet, slag roof.

Garage, Church lane, \$14,150. Breston Butler (O), Cheltenham Trust Co. Conneen Const. Co. (C), 1737 Filbert street. Brick, 2 stories, 77x20 feet, slag roof.

Brocklehurst (C), 512 W. Norris street. Interior alterations.

Dairy, Sixteenth and Tasker streets, \$1,000. H. Dolfinger (O), Sixteenth and Tasker sts. Wm. R. Dougherty (C), 1610 Sansom street. Repairs and fireproofing.

Store and dwelling, 1709 South Fifteenth street, \$850. David Poslon (O), on premises. M. Lesse (C), 816 Winter street. Repair fire damage.

Garage, 4310 Brown street, \$1,500 Mrs. W. D. Evans (O), on premises. James M. Holm (C), 5556 Arch street. Interior alterations.

Dwelling, 627 Master street, \$500. A. Pen-son (O), 602 N. Marshall street. Jacob New-born (C), 1731 North Eihth street. Interior alterations.

Store, 1514 Vine street, \$1,000. Benj. Alexander (O), Hale Building. H. D. Henwood, 1509 Wood street. Brick, 2 story rear addition, 19x18 feet, bulk.

Sign, Germantown avenue and Venano st., \$300. Mr. J. Effinger (O), 302 North Fifty-third street. P. J. Martin (C), 302 North Fifty-thir dstreet. Electric sign anchorage.

Dwelling, 621 North Fifteenth street, \$1,400. A. Maas (O), 621 North Fifteenth st. David R. Burns (C), 752 North Nineteenth street. Hot water heating.

Foundry, Philip street, north of Dauphin street, \$300. Abram Cox Stove Co. (O), American and Dauphin streets. H. E. Baton (C), Twelfth and Sansom streets. Repairs.

Store, 507 Market street, \$700. M. Dannenbaum (O), 930 Market street. Thayer & Co. (C), 1283 Ludlow street. Interior alterations, flush bulks.

Store and dwelling, 3015 Frankford avenue, \$815. Chas. F. Schoening (O), 922 Duncan-non avenue. Schage & Snyder (C), Philadel-phia. Repairs, flush bulks.

Dwelling, 1711 Fairmount avenue, \$1,280. John Scholtz (O), 1730 Fairmount avenue. Frank I. Wentz (C), 1618 North Twenty-seventh street. Brick, 1 story addition, flush bulks, 18x26 feet.

Stores, 441 to 45 inc., North Broad street, \$10,000. Hupmobile Automobile Co. (O), 252 North Broad street. Le Roy K. Smith (C), Forty-first and Chester avenue. Interior alterations.

Stores and apartments, 112-14-16 S. Fifty-second street, \$3,000. Jos. M. Steele (O), Sixteenth and Arch streets. W. Woolworth Co. (C), 112-114 South Fifty-second street. Interior alterations.

Alterations and Additions

Store and dwelling, 1421 North Fifty-second street, \$450. John H. Oler (O), Fifty-seventh and Master streets. J. D. Fisher (C), 5424 Thompson street. Repair fire damages.

Dwelling, 1807 South Twelfth street, \$400. Vincezo Pellegrino (O), on premises. Piedno Pellagina (C), 802 South Ninth street. Brick, 1 story addition, 12x14 feet, slag roof.

Retaining walls, Schuyler and Hansberry streets, \$3,750. John P. Grace (O), Atlantic City, N. J. C. A. Romano (C), 1420 South Broad street. Repairs.

Machine shop, 930 North Third street, \$8,000. Geo. Sachsenmainer (O), 143 North Third street. William Easterbrook (C), 146 North Fourth street. Repairs.

Home, Bala, Pa., \$500. Presbyterian Home (O), Bala, Pa. Valentine Meck (C), 518 South Twenty-second street. Porch.

Dwelling, 1425 Germantown avenue, \$300. Helen Newman (O), Bethayres, Montgomery County. Christian Raegers (C), 51 North Hutchinson street. Flush bulks.

Manufacturing building, Thirty-first and Master streets, \$2,100. Walter Milling Co. (O), on premises. Philip Haiback Cont. Co. (C), 1261 North Twenty-sixth street. Repair fire damages.

Dwellings (12), Sixty-seventh and Elmwood avenue, \$33,000. Steltz & Maloney (O and C), 6153 Jegerson street. Brick, 2 stories, sla roof, 16x32 feet, hot water heating.

Offices, 12 and 14 South Sixth street, \$5,000. Megargee Co. (O), 12 and 14 South Sixth street. Jacob Meyers & Sons Co. (C), 608 Witherspoon Building. Alterations.

Storage, Twenty-fifth and Wharton streets, \$2,600. Penn Metal Ceiling Co. (O), an prem-ises. R. J. Whiteside (C), 2115 Wallace st. Frame, 1 story, 90x80 feet.

Storage, Twenty-fth and Wharton streets, \$5,500. Penn Metal Ceiling Co. (O), Twenty-fifth and Wharton streets. R. J. Whiteside (C), 2115 Wallace street. To form mezzanine floors.

Light manufacturing building, Twenty-fourth and Ingersoll streets, \$3,000. Friehofer

Bakery (O), Twenty-fourth and Master sts. Philip Haiback Const. (C), 1261 North Twen-ty-first street. Interior alterations and re-pairs.

Building, Nicetown, Pa., \$1,500. Geo. W. Blahans (O), Nicetown, Pa. Wm. Steele & Sons Co. (C), 1600 Arch street. Concrete floors, fireproofing.

Dwelling, 1809 South Twelfth street, \$300. Gasla Castagna (O and C), on premises. Brick, 2 story addition, 13y12 feet, slag roof.

Stores, Frankford avenue and Orthodox st., \$3,000. W. Thomas (O), Oakland and Harri-son streets. Bimer & Byens (O), 4842 Haw-thorne street. Brick, 1 story side addition, 26x4 feet, repairs.

Residence, 1819 South Eleventh street, \$1,200. Ernest Basabdi (O and C), 1016 South Eleventh street. Brick, 3 story addition, 16x32 feet, slag roof.

Store, 1307 Market street, \$2,500. Truly Warner (O), 817 Broadway, N. J. Vogel Cab-inet Co. (C), New York. Repairs.

Factory, 240 West Somerset street. E. T. Haughlin (O), 240 West Somerset street. Bushelle Bros. (C), 2146 E. Norris street. Third story addition, 9x12 feet, concrete roof.

Store, 1633 Columbia avenue, \$1,200. S. Leiberman (O), 505 Chestnut street. J. Cop-land (C), 1645 North Eighth street. Brick, 1 story front, 9x9 feet, flush bulks.

Factory, Keystone and Collman streets, \$28,000. H. L. Gilmer Co. (O), on premises. Nickson-Duggan Const. Corp. (C), Bailey Building. Brick, 2 stories addition, 50x160 feet.

Store and dwelling, Twenty-third and Cross streets, \$500. Dom Drodote (O), Twenty-third and Tasker streets. Jas. Padolese (C), 1448 South Sixteenth street, Philadelphia. Bulk windows and minor repairs.

Factory, 3970 Pulaski avenue, \$800. E. Wahl Mfg. Co. (O), on premises. Harry Brockelhurst (C), 512 W. Norris street. Re-pairs.

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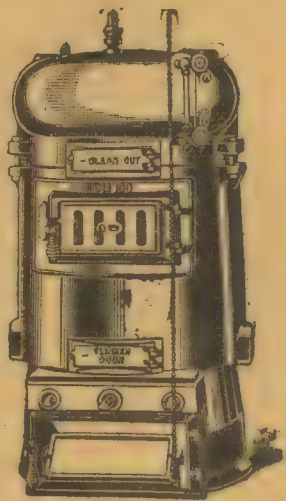
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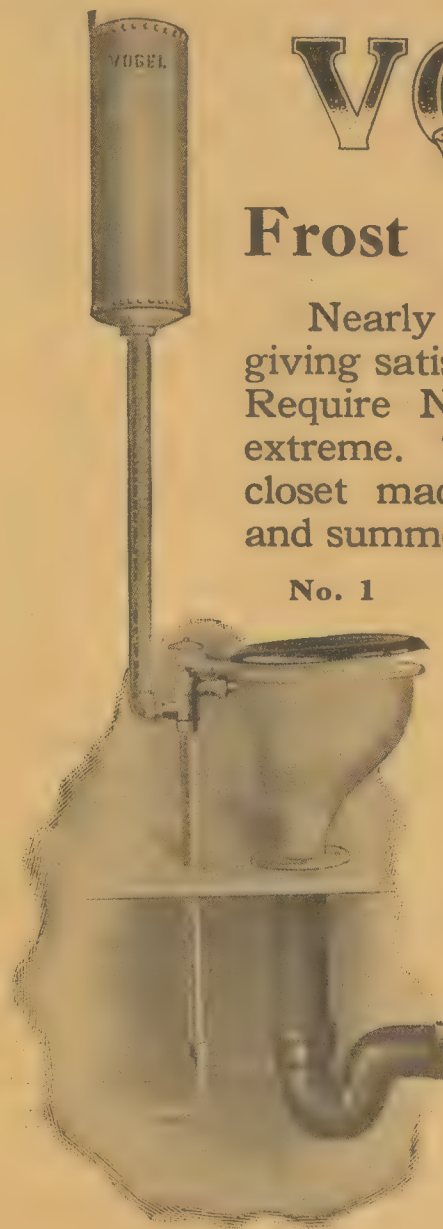
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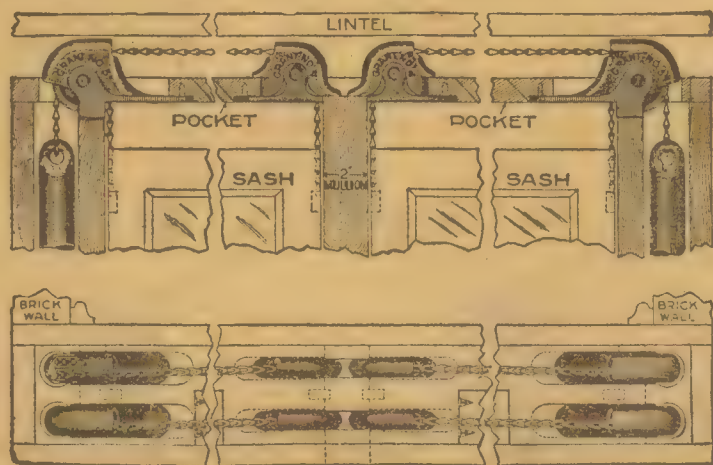
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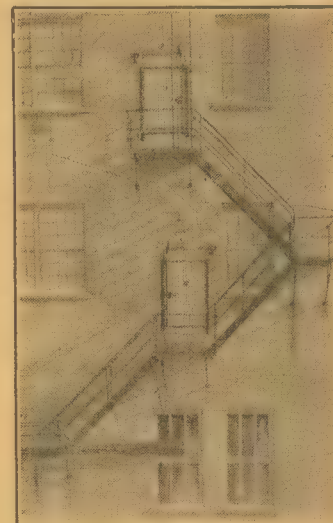
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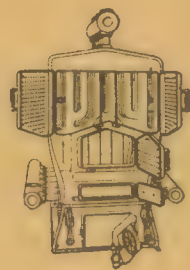
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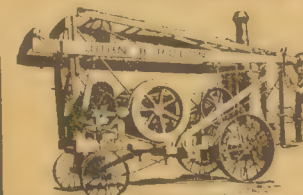
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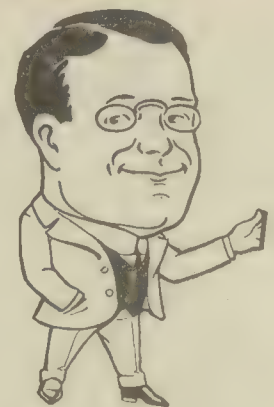
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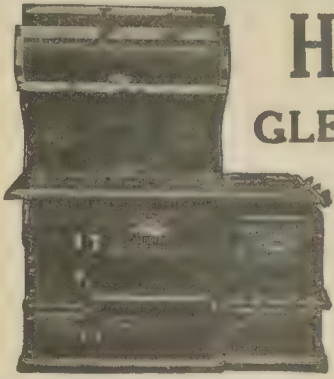
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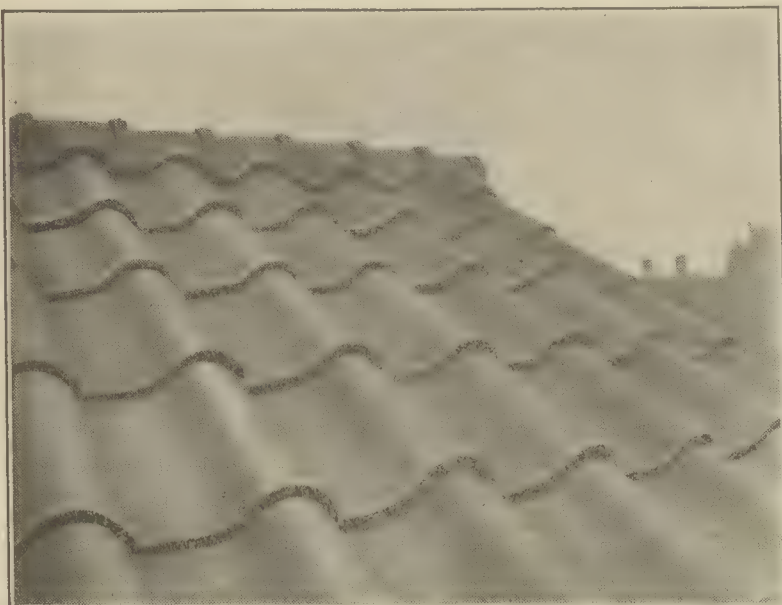
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As The Editor Sees It



A FEATURE of the October number of *The Architectural Record* was a review, by Donn Barber, of "The Works of McKim, Mead and White." A "Monograph of the Works of McKim, Mead and White, published by the Architectural Book Publishing Company, of New York, furnished the inspiration for Mr. Barber's scholarly and informative article.

"After an extraordinarily active practice, covering a period of something over forty years," writes Mr. Barber, "the work of the firm of McKim, Mead and White is distinguished among all American architectural firms, at once for its variety, its quality and for its very certain distinctive character. * * * Their work has always excited particular interest among an unusually large number of people. It has had the friendly admiration and approval of architects quite as much as, if not more than, of the laity, and this homage has invariably been accorded singularly free from qualification and envy of any kind. Their work has, moreover, been valued quite as much by architects whose own tendencies of design have been dissimilar to theirs, as by artists generally throughout the world who have happened to accept the same traditions and to have believed in the same ideals.

"Messrs. McKim, Mead and White have stood pre-eminently and consistently for the use of certain architectural and for a certain specific intellectual attitude toward the fundamental problems of American architecture. They have helped signally to establish and to popularize this group of architectural forms. Objection has at times been taken because, in the designing of their buildings, they have appeared to attach more importance to an assimilated use of certain historical architectural forms than they have to a design frankly dictated by the special conditions that it

would seem the particular building should satisfy. Many of their designs are frankly and purposely derived from well known French or Italian structures; but in re-arranging and adapting these models to American uses, they have never sought to obscure or deny their origin. What is needed first of all in America is a condition of better and more convincing and commensurate architecture; and it must be conceded that the individual members of this firm, not only in the work under their charge, but in their helpful influence on the work of others, have done perhaps more to help and benefit American architectural than almost any other firm of this generation."

* * *

THE buildings of McKim, Mead and White have been criticised, of course, in certain of their details. What buildings haven't? It must be admitted, however, that the influence of their work has invariably produced a powerful and highly beneficial effect. American architectural history will prove more and more that they have been right and convincing in most of their arguments. If, for their inspiration, they have sought among the classics of Europe, for their models, it cannot be said that their range of selection has been in any sense narrow, or confined to any particular country. They have chosen broadly from Italy, from France, and from Spain, and even from England. They have been borrowers and adapters, not so much of certain architectural forms as of certain architectural effects. Their appropriation of type has never been illogical, stupid, meaningless, or lifeless. They have shown themselves, taking their work as a whole, to be very generally in sympathy with the wonderful spirit of the Italian Renaissance. Whatever may have been their starting point in scheme,

they seem to have sought persistently, intelligently and skilfully, in designing their buildings, to make them first of all beautiful, then dignified, wholly worthy of their use, a real ornament to their setting and estimable in their expression. The work of McKim, Mead and White has made simple beauty, in matters architectural, more and more familiar to the American public. Whatever else, through their long and interesting practice, they may have failed to be, they have nevertheless always been true and sympathetic artists."

* * *

THE merited success of McKim, Mead and White has been uniformly obtained by means of the invariable and intrinsic quality possessed by their work. They have from the start of their career been inspiring leaders in the contemporary architectural development of our country; primarily because in their point of view they have been sagacious, persuasively intelligent, always appealing in argument and wholly representative.

"Their knowledge of the use and combination of materials, of color and texture, the possibility and perfection of craftsmanship, and the appropriateness in use, of all these things, has stamped their work with an indelible quality of refinement that has been far-reaching in its effect, inspiring in its influence and an education to those who have studied them."

* * *

IT is impossible to properly and adequately estimate the corrective and helpful influence that the work of McKim, Mead and White has been having, and will continue to have, on the American architecture as a whole, without studying at least some of the more general conditions which have prevailed, and are prevailing, and which have seemed to have a direct bearing on what

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it has been possible to accomplish, architecturally speaking, thus far in this country. That our modern civilizations are fast losing what might be termed their artistic individuality must be perfectly apparent to any observer. Ease, rapidity and facility of communication and transportation have been gradually bringing what used to be distant nations of the earth very much closer together in every way; and what has seemed best, or been proven so, in art, as in fact in almost everything, has been universally accepted and extended to such a marked degree and extent that the standards and conventions of presentday life are pretty much the same the world over.

"We find few, if any, real or important differences existing to-day between life and conditions in countries even far remote from each other—the strong and sure tendency is toward complete standardization. Convention of society, customs and tastes everywhere are rapidly becoming much the same, barring, of course, natural physical and climatic conditions, though even these influences seem to count for less and less. This leavening condition seems bound to go on and increase; and it is probable that within the next century much of what has hitherto been considered the individuality of the various nations and their people will have practically, if not entirely disappeared."

* * *

IT would seem, therefore, that one of the most important things for us to be considering, architecturally, is what might be called the intellectual attitude which the American architect is assuming toward his work. His mental attitudes and resulting vision, must necessarily influence, if not wholly determine, the character and value of what he practices. Just how big and broad and worthy a point of view will come, as a consequence of this intellectual attitude must, of course, vary according to the environment, educational advantages, training and travel experience of the individual. When it comes to the application of mental conviction to the requirements of practice, it would seem, broadly speaking, that the modern architect has too extreme choices of procedure open to him: he may produce buildings that are an adaptation to modern conditions of traditional European types of architectural forms; or, completely ignoring traditional forms, he may choose to design buildings which represent a free solution of the present day social and economic standards based on modern physical needs. The artist who begins by accepting traditions almost invariably becomes a slave to tradition; whereas he who ingeniously rejects tradition usually becomes the victim of his

spirit of revolt. A wise and safe course to follow must surely be somewhere between the two extremes. It cannot be deemed illogical to hold to traditional forms and methods of design, if in their adaptation they can be made to genuinely express a modern need. It becomes a practical impossibility, in practice, to draw too sharp a contrast between the past and present in architecture, for architecture taken as a whole, is the result of a gradual process of development which has grown along steadily with the progress of civilization. Intellectually and socially, America has never become quite independent either of Europe or of the past. The fact that we happen to occupy a separate continent, with certain physical characteristics of its own, might lead us to assume that we occupy an unusual, if not unique, position in the world. But mere physical separation is in reality unimportant as long as we have failed completely to gain our intellectual independence. Our development, after all, has merely been an echo, as it were, of European intellectual and social habits. We have been in the habit of acquiring from abroad everything of value that we have wanted and been able to understand and appreciate, as desirable in architecture, painting and sculpture, just as in literature and the drama."

* * *

WE should remember that our present American social and domestic life is in no sense revolutionary, even if our American business methods and industrial organizations seem to be. It merely happens to be the modified and assimilated reflection through American conditions of European social and domestic life. Why then should we not house ourselves pretty much as Europe houses itself? Our unprecedented achievements in trade and industry have their possible appropriate architectural expression and unusual possibility of conception in the design of huge warehouses, terminals, factories, and, of course, primarily, in the skyscraper. The structure of such practical buildings can properly demand, to-day, a wholly original treatment. Classic precedents would seem to hinder, rather than aid, the architect in such work. In the solution of like problems, it might be considered, perhaps, as well to dispense entirely with the usual architectural stock in trade, if any such abstractions were intellectually possible. What the design of our American buildings need is not individuality, temperament, originality or freedom of expression, but a style that appeals to the aesthetic commonsense of men. Style means a complete and satisfying union,

by some process, of beauty and propriety."

* * *

AN owner would seem to have every right to stamp upon the building that he is paying for the characteristics of his personal life and taste, if the building were to last for his life time and pass on with him. The architect who builds seriously, however, can merely recognize that the taste and inclination of the owner may either confirm or impair the value of his work, and build accordingly.

"The architect to be able to use his professional authority to the best advantage, besides being thoroughly skilled in the technique of his art, must have mastered completely the historical styles, and he must know their every meaning, if he honestly desires to give them a new and logical expression. He will then be able to familiarize the more intelligent American public with architectural forms different, perhaps, in some respects from those of Europe, and to help materially in the forming of an American architectural tradition, which will be sound and at the same time flexible enough to assimilate every improvement that appears in aesthetic and economic standards."

* * *

PERHAPS the most important element to be considered in modern architectural composition, at present, is the question of scale. The wide divergence of opinion and practice on this subject is almost entirely responsible for the restlessness in appearance of our modern art. Some architects, leaning toward French traditions, follow their diminutive dimensions too closely; while others preferring to take their inspiration from the larger scale of Italy, often swing too far the other way. The determination of scale, as applied to modern architecture, is really one of the most difficult problems we have to solve.

"McKim, Mead and White, very early in their professional career, seem to have hit upon, or discovered, a general scale in the building that, as time goes on, is proving more and more to be an answer to this most difficult element of composition. Examination and study of their work show that they have been thoroughly consistent in this matter, and that they have modified very little, in the forty years of their practice, their early convictions on this important subject. Their influence in this one thing, if no other, will give them a place in history that anyone might justly be proud of.

"It is impossible to enumerate, even without discussion, the many definite tendencies and principles that have be-

come common practice and that have unconsciously been woven into American architecture by the examples and proven success of this great firm."

* * *

MCKIM, MEAD AND WHITE, it should be noted, are entitled to the credit of having established a tradition that is representative and formative. They have convinced, and count among their disciples, a large following among architects throughout the country; many now practicing under their own names, who have come under the influence of their work as younger men in the office, are to-day following in their footsteps, doing work of compelling example. To all of these," concludes Mr. Barber, "as well as to the profession at large, the *Monograph of the Works of McKim, Mead and White* should prove a welcome compilation of a valuable work of reference, a volume

the constant study of which will repay, refresh and inspire the student and spur him on to better thoughts and efforts."

* * *

WE have quoted at unusual length from Mr. Barber's article because of the importance of the message his views carry to the young practitioner whose style is as yet unformed and whose tendencies are still, so to speak, in process of incubation. Mr. Barber is, himself, an architect of the finest achievement. His views are, in the circumstances, those of one who speaks, to some extent, ex cathedra on the subject of which he writes. We regard this review of Mr. Barber's as a deliverance of more than passing interest. The McKim, Mead and White Monograph should, we imagine, be of immense and lasting advantage to the man whose aspirations lean to the higher ideals of his craft.

EDITORIAL NOTES

Lloyd W. Young, for several years advertising manager for the Bishop-Babcock-Becker Co., Cleveland, O., has resigned to engage in the advertising business under his own name, as an "advertising counselor." Mr. Young has taken offices in the 1900 Euclid Building, Cleveland.

* * *

Tracing cloth is affected by the amount of moisture in the air, and for that reason it is occasionally desirable to transfer a drawing to ordinary paper. This may be accomplished by the use of a glass top table beneath which are suspended several strong (60 to 100-watt) incandescent electric lamps. The strong light passes through the drawing and the superimposed paper on which the tracing is to be made. Where blue-prints are desired a thin white paper can thus be used instead of tracing cloth and at less expense.

* * *

H. B. Smith Co., Westfield, Mass., announces the removal of its New York office to 10 East 39th street, and the Philadelphia offices to 7th and Arch sts, where attractive showrooms are provided for the display of the company's line of Mercer and Mills boilers and Princess radiators. J. C. Faulkner is the company's New York manager. H. B. Kellogg is the Philadelphia manager.

* * *

The members of the local Sheet Metal Contractors' Association of Cleveland, Ohio, have already started prepa-

ration for the annual convention of the National Association in that city next June.

The several committees which have been appointed are holding weekly meetings, and nothing is being left undone which will contribute to the success of the meeting.

The committee on arrangements is headed by H. H. Lind, a national vice-president, and A. W. Howe, of the J. M. & L. A. Osborn Co., is secretary. The entertainment committee is chairmanned by George Stran, while the finance committee is headed by George F. Thesmacher.

June 12 has been fixed upon as the provisionary date for the opening session.

* * *

L. O. Koven, of L. O. Koven & Bro., New York, who recently retired from the presidency of the Eastern Supply Association, was presented with a loving cup by friends in that association, the donors including F. S. Hanley, F. B. Maerke, A. S. Mitchell, R. H. Noble, H. H. Sommer and Mr. Allart. The presentation was made by Mr. Maerke at the Machinery Club, New York, November 10.

* * *

As the year draws to a close the business man naturally turns his attention to his progress for the year. The man who has the better book-keeping system knows from month to month approximately what progress he is making

while others await the close of the year, with its stock-taking period. Still there are others who do not even take stock. These are the men who, as a rule, have no cost accounting or other office system, but simply go on from month to month in a haphazard way. Few, if any, of this class, ever progress very far on the road to wealth. A living, and a bare one at that, is usually their portion—one degree removed from absolute failure. But why will such men go on in the same way year in and year out? If they want proof that their way is wrong they will only have to look to the methods used by the successful men in their vicinity. These men, they will find, do business on a business basis. They know what it costs them to do business and they add whatever that percentage may be into every estimate. They figure a profit for themselves on every job. They keep thoroughly posted on all progress in their trade and are quick to adopt new methods once their worth is proven. The best preparation, therefore, any merchant mechanic can make for the new year is to follow the examples set by such successful men in his locality—to do business on a business basis, and with a fair profit on every piece of work undertaken.—*Sheet Metal*.

* * *

A certificate of approval on its "Almetl" and other fire doors has just been received by the Merchants & Evans Co., Philadelphia, Pa., from the Industrial Board of the Pennsylvania Department of Labor and Industry, State of Penn-

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sylvania. This is but a supplement to the many other institutions which have approved the "Almetl" door, among which are the Underwriters' Laboratories of Chicago, the Factory Mutual Laboratories of Boston and many National, State and Municipal authorities.

In addition to its standard line of fire doors and shutters and the "Almetl" line, the company is prepared to supply many unusual requirements, such as furnishing these doors and shutters made of American Ingot Iron, or painting the inside of the panels with a special paint. It is also prepared to furnish sliding or swinging doors, with well designed frame set into and securely bolted to the door, to hold wire glass, as well as doors with offsets to protect openings that have a mono-rail track running through at the top.

The company has over 160 contracting and erecting licenses established throughout the country for the promotion of this work, as well as its branch offices in many of the larger cities, any one of which will gladly give complete information on any fire door problems any reader may encounter.

* * *

The D. B. Martin Company has taken title from Edward L. Scholl to the five-story hotel at the northwest corner of Thirtieth and Ludlow streets, adjoining their present plant, subject to a mortgage of \$8,000. The plot is 55x23 feet and the assessed value \$11,000. The property will be the site for an addition to the abattoir of the purchasers.

* * *

Twenty railroads report gross earnings for the first week of December, of \$8,739,052, an increase of about \$1,300,000, or more than 17 per cent., compared with the same week last year.

* * *

Rumors that State Senator James P. McNichol might move to the suburbs when the city takes his present residence, 222-24 W. Logan Square, for the extension of the Parkway, were set at rest by the Senator's announcement that he has purchased a site for a new home on Race street, west of 19th, adjoining the Academy of Natural Sciences. The house he intends to build there will overlook the enlarged Logan Square and the Parkway.

The Race street plot is 40 by 129 feet, not quite as large as Senator McNichol's present residence property, which is 45 feet by 150 feet. He purchased the new site, which ground has been idle for the past seventy years, from George H. McLaughlin and J. Nelson Dick. They acquired the tract several years ago from the Ninth Presbyterian

Church, which had removed from there to 16th and Sansom streets, about 1840.

* * *

The average price now for eight chief iron and steel products is \$72.12 per ton, higher than ever before, and comparing with \$39.68 a year ago.

* * *

Four of Violet Oakley's five mural decorations for the Senate Chamber of the State Capitol have been shipped to Harrisburg from the artist's home, Cogslea, Allen's lane. Miss Oakley will go to Harrisburg this week and again for a few days next week to put the finishing touches to her works after they have been placed on the walls.

The pictures which went to Harrisburg consist of two arched panels for the right and left of the president's seat in the Senate Chamber, and two semi-

lunettes depicting "The Armies of the Earth" and "The Slaves of the Earth." The great central panel, which is to span the arches of the rostrum wall, and which is still at Cogslea, symbolizes the supreme manifestation of enlightenment in international unity—the recognition of the unity of the kingdom of God and the moral and material world through international peace.

* * *

The ninth annual banquet of the Philadelphia Real Estate Board will be held in the ballroom of the Bellevue-Stratford on Saturday evening, January 27. The reception to the members and guests will commence at 6.30 o'clock, and from preliminary plans already made by the committee, the affair promises to be one of the most successful in the history of this organization.

EXPOSURE FIRES IN MERCANTILE PREMISES

By W. T. Colyer, National Fire Protection Association.

No Business Man Whose Premises Are Suitably Constructed for Such a District Can Think Without Concern of Antiquated and Dangerous Types of Building in Close Proximity to His Own.

It is sufficiently painful for the business man to suffer loss by reason of his own failure to take adequate precautions, but it is usually much more galling to him to have to pay for the carelessness of other people. When a loss by fire is caused by his own neglect, he may often derive a poor satisfaction from the thought that he is only the loser in a sort of gambling transaction. It was a question for him whether he would incur a comparatively small immediate charge for fire protective equipment, or whether he would save his money and take the chance of a possible future loss from a fire which the better equipment would have prevented or held in check. He took his chance—and he lost. Moreover, he will be apt to remind himself of any cases he may have heard of, in which protective appliances failed to do all that was expected of them, and he may try to think that his premises would have burned anyway.

While we are all naturally disposed to think of our own affairs in this way, most of us see the weakness of the argument when the other fellow uses it. We find it easier to define his duty than our own, particularly when we are likely to be involved in the results of his neglect.

For this reason, as well as others, the "exposure" hazard, that is, the hazard of fire communicated from a burning building to its neighbors, is a good one with which to start a series of talks to business men on mercantile fire hazards. The exposure risk is a very real

one, serious fires due to this cause being constantly reported to the National Fire Protection Association; and it is particularly important in congested districts where mercantile establishments are frequently crowded together. The shingle roof and the frame building, if allowed in such districts, are of course a constant menace to their neighbors. No business man whose premises are suitably constructed for such a district can think without concern of antiquated and dangerous types of building in close proximity to his own. Their hazards will be reflected in the fire insurance charges of all the surrounding properties, and in return for the additional fixed charge the proprietors of properly built premises obtain the knowledge that they are constantly menaced with all the dislocation of business that follows a serious fire. Owners and tenants of mercantile premises have an interest in securing the passage of building laws and ordinances which will prohibit owners of dangerous property from thus causing unnecessary expenditure and annoyance to their fellow citizens.

It would, however, be unfair to leave the impression that bad construction is the sole cause of exposure fires. Fires are liable to occur even in buildings of fire resistive construction if the contents be combustible; and here the window openings of such buildings have not been protected by wired glass and metal frames, there have been numerous instances of the flames obtaining ingress or egress through such openings, and easily consuming the contents while the buildings remained standing. Exterior wall openings which would be subject to exposure in the event of a fire in adjoining properties should

(Continued on page 853.)

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Stable (alt. and add.), Eighth and Mifflin streets, Philadelphia. Owners, U. G. I. Co., Broad and Arch streets, Philadelphia. Architect, private plans. Brick and reinforced concrete, terra cotta, 2 stories, slag roof, Belgian block, cement and brick floors, waterproofing, fire doors, ventilators, safety treads, hollow metal skylights (painting, electric work, elevator, heating and gasoline and oil storage system reserved). Owners taking bids, due January 3rd. The following are figuring: Frank G. Stewart, 1619 Sansom street; F. E. Wallace, 1220 Chancellor street; H. H. Burrell, 206 South Quince street; H. E. Batton, Twelfth and Sansom streets; George & Borst, 277 South Eleventh street, and R. C. Ballinger, 218 North Thirteenth street, Philadelphia.

Service Building, southeast corner of Broad and Huntingdon streets, Philadelphia. Architect, Charles E. Oelschlagel, 1615 Walnut st., Philadelphia. Owners, R. A. Heymann & Bro., Widener Building, Philadelphia. Lessees, Goodyear Tire and Rubber Co., 207 North Broad street. Brick and reinforced concrete, 2 stories and 1 story and basement, 115x129 feet and 168x109 feet, slag roof, maple, oak and cement floors, steam heating, electric lighting, rolled steel sash, fire doors, bulk windows, tile and marble work, rolling steel doors. Architect has received bids.

Garage and Store, northeast corner of Arch and Felton streets, Philadelphia. Architect, Conrad F. Neff, 824 Heed Building, Philadelphia. Owner, Mrs. A. Smith, care of architect. Brick, 1 story, 21x110 feet, slag roof (steam heating and electric lighting reserved), cement and pine floors, bulk windows. Architect taking bids, due in about one week. Smith-Hardican Co., 1606 Cherry street, are figuring.

Store and Apartments, Broad and Loudon streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Penn. Realty and Const. Co., Ogontz and Chelton avenues, Philadelphia. Brick, 3 stories, 33x88 feet, slag roof, vapor heating, electric lighting, hardwood floors, tile and marble work. Owners ready for sub-bids on all lines.

Office and Freight House (add.), Thirtieth and Market streets, Philadelphia. Architects, Maintenance of Way Department, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick and frame, 2nd story addition, 40x64 feet, and freight shed, 1 story, 145x45 feet, steel, corrugated iron, slag roof, steam heating, electric lighting, plank and composition floors, rolling steel doors. Owners taking bids, due December 30th. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; Charles McCaul Co., 1713 Sansom street; Loos & Dothard, Commercial Trust Building; Bailey-Lush Co., 201 North Broad street; F. A. Havens Co., 845 North Nineteenth street; John N. Gill & Co.,

Heed Building; Monaghan & Losse, 3016 Chestnut street; Lincoln H. Smith, Hale Building; Brann & Stuart, Commercial Trust Building; Abel Bottoms & Sons Co., 3611 Walnut street; Roydhouse-Arey Co., 112 North Broad street; Mitchell Bros., 2125 Race street; A. L. Carhart, Hale Building; John Goll & Co., 1539 Filbert street; Armstrong & Latta, Land Title Building; Charles Gilpin, Harrison Building; Pomeroy Const. Co., 1609 Ransstead street; Metzger & Fisher, Denckla Building; Driscoll Co., Stock Exchange Building, Philadelphia.

Market House (alt.), 22-24 North Front street, Philadelphia. Architects, Construction Department Swift & Co., 60 North Market street, Boston, Mass. Owners, Swift & Co., 908 Noble street, Philadelphia. Brick, 5 stories (remodeling of interior), cement and maple floors, metal lath, store fixtures (heating, electric work and elevators reserved). Owners will take bids in ten days.

Office Building (alt.), Ninth and Girard avenue, Philadelphia. Architects, Const. Dept. Swift & Co., 60 North Market street, Boston, Mass. Owners, Swift & Co., 908 Noble street, Philadelphia. Brick, 3 stories, 35x140 feet, composition roof, terrazzo and linoleum floors, metal lath, fire doors, safety treads, tile work (electric work and steam heating reserved). Architects taking bids, due December 26th. In addition to those previously reported, A. L. Carhart, Hale Building, and Graham-Campion Co., Heed Building, are figuring.

Apartment House (alt. and add.), 1006 South Nineteenth street, Philadelphia. Architect, C. Henry Wilson, 1931 North Twenty-second street, Philadelphia. Owner, Peter Lewis, 719 South Smedley street, Philadelphia. Brick, 4 stories, 16x72 feet, slag roof, hot water heating, electric lighting, hardwood floors, general interior alterations, tile work. Plans about completed. Owner will take bids January 2nd.

Hospital (add.), Fifth and Wilder streets, Philadelphia. Architects, Magaziner & Potter, 603 Chestnut street, Philadelphia. Owners, Mt. Sinai Hospital, on premises. Brick, reinforced concrete, terra cotta trim, 3 stories addition, 92x82 feet, tile, J. M. asbestos and asphalt roof, composition and cement floors (heating and lighting reserved), metal lath, fire doors, safety treads, tile and marble work, hollow tile, elevators, cabinet work, dumb waiters. Architects taking bids, due December 27th. The following are figuring: Wm. Linker Co., 831 Cherry street; John R. Wiggins & Co., Heed Building; William R. Dougherty, 1610 Sansom street; Lam Building Co., 1001 Wood street; James H. Wells, Heed Building; H. E. Batton, Twelfth and Sansom streets; H. E. Grau Co., 1707 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; Warren, Moore Co., Commercial Trust Building; Stacy Reeves & Sons Co., 2011 Mar-

ket street; Cramp & Co., Denckla Building; Charles McCaul Co., 1713 Sansom street; Standard Const. Co., Drexel Building.

Town Hall (repairs), Haines street and Germantown avenue. Architect, Louis E. Marie, City Hall, Philadelphia. Owners, City of Philadelphia, Bureau of City Property, Department of Public Works, Room 113, City Hall, Philadelphia. Consists of carpenter work, painting, plastering, tin and slate roof, metal lath. Owners ready for bids, due December 29th.

Store, Residence and Garage, Broad street and Nedro avenue, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Dr. S. B. Davis, York road, Oak Lane, Philadelphia. Brick, 3 stories, 23x99 feet, slate roof, parquetry, pine, cement and terrazzo floors, metal lath (hot water heating, plumbing, electric work, tile and marble work reserved). Architects taking bids, due January 3rd, 1917. The following are figuring: H. E. Grau Co., 1707 Sansom street; James P. Farrell, 1621 Sansom street; Wills-Ludwick Co., 34 South Seventeenth st.; E. J. Kreitzburg, 1345 Arch street; Frank Burkholder, 1309 Champlost avenue; Frank E. Wallace, 1220 Champlost avenue; Monaghan & Losse, 3016 Chestnut street; F. L. Hoover & Son, 1023 Cherry street, and McCloskey & Bahls, 1620 Thompson street, Philadelphia.

Garage and Service Station, northeast corner Watts and Cambridge streets. Architect, Le Roy B. Rothschild, Bulletin Building, Philadelphia. Owner, Murray White, Morris Building, Philadelphia. Brick, 2 stories, 48x94 feet, slag roof, steam heating, cement, oak or maple floors, electric lighting, bulk windows, hollow metal skylights (electric fixtures and elevator reserved). Owner taking bids, due December 29th. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Lam Building Co., 1001 Wood street; E. E. Hollenback, Fifteenth and Race streets; E. J. Kreitzburg, 1345 Arch street; Bornstein, 1510 North Franklin street, Philadelphia.

Market house (remodeling), 22-24 North Delaware avenue, Philadelphia. Architects, Construction Department Swift & Co., 60 N. Market street, Boston, Mass. Owners, Swift & Co., 908 Noble street, Philadelphia. Brick, steel and concrete, 5 stories (alterations to first three floors only), pine and asphalt floors, metal lath, waterproofing, fire doors, tile work, hollow metal skylights, rolling steel shutters (electric work, steam heat, elevators, refrigerating reserved). Architects taking bids, due January 3rd. The following are figuring: H. E. Batton, Twelfth and Sansom streets; A. R. Raff Const. Co., 1635 Thompson street; John N. Gill & Co., Heed Building; Irwin & Leighton, 126 North Twelfth street; George F. Pawling & Co., 1432 South Penn Square; Metzger & Fisher, Denckla Building; Stacy Reeves & Sons, 2011 Market street; A.

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Church (completion), Sixty-fifth and Callow-hill streets, Philadelphia. Owners, St. Donato's R. C. Church, care of Rev. Peter Michetti, on premises. Stone, 50x120 feet, slate roof, steam heating, electric lighting. Plans in progress. Architects will be ready for bids in about ten days.

Telephone Exchange (alt.), Eleventh and Filbert streets, Philadelphia. Architect, private plans. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Consists of alterations and extension to iron balcony, iron stairs and painting. Owners taking bids, due December 30th. E. R. Hall & Bro., 34 South Seventeenth street, and F. L. Hoover & Sons, 1023 Cherry street, are figuring.

Service Building, 804 North Broad street, Philadelphia. Architect, J. Ethan Fieldstein, Hale Building. Owners, Levick & Woldow, 1829 South Seventh street, Philadelphia. Brick and terra cotta, 3 stories, 20x160 feet, slag roof, cement and plank floors, tile work (plumbing, heating and electric work reserved). Architect taking bids, due December 29th. Bailey-Lush Co., 201 North Broad st.; J. Richard Jackson, Perry Building; E. J. Kreitzburg, 1345 Arch street; I. T. Shoemaker, 1324 Walnut street; Freund Const. Co., Bulletin Building, and D. Henwood, 1509 Wood street, are figuring.

Recreation Park and Playground, Fifty-first and Chester avenue. Architect, Philip H. Johnson, 1824 Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, City Hall. Swimming pool, brick and reinforced concrete, stone trim, 1 story, 113x95 feet, slag roof, cement floors (plumbing and electric work separate bids). Owners taking bids, due December 27th at noon. F. G. Stewart, 1619 Sansom street; H. E. Baton, Twelfth and Sansom streets, and J. B. Flounders, 1329 Arch street, are figuring.

Dormitory Buildings (5) and Connecting Corridors, Byberry, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia. Dr. Wm. Krusen, Director Department of Public Health and Charities, City Hall, Philadelphia. Brick, stone and hollow tile. (1) cottage, 2 stories, 54x88 feet and (4) 2 stories, 160x50 feet, slate and slag roof (plumbing, vacuum heating and electric lighting separate bids), metal lath, pine floors, waterproofing and dampproofing, weather strip, safety treads, tile and marble work, terrazzo work, metal window guards. Owners taking bids, due January 2nd. The following are figuring: Mitchell Bros., 2125 Race street; E. F. Fonder, Land Title Building; Charles McCaul Co., 1713 Sansom street; H. E. Baton, Twelfth and Sansom streets.

Garage, south side of Summerville street, west of Fifth street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Michael H. Riegel, 121 West Olney street, Philadelphia. Brick, 1 story, 50x90 feet, slag roof, steam heating, electric lighting, cement floor, gasoline storage, 2 galvanized iron skylights. Owner ready for sub-bids on all lines.

Market House (remodeling), 22-24 North Delaware avenue, Philadelphia. Architects, Construction Department Swift & Co., 60 N. Market street, Boston, Mass. Owners, Swift

& Co., 908 Noble street, Philadelphia. Brick, steel and concrete, 5 stories (alterations to first three floors only), pine and asphalt floors, metal lath, waterproofing, fire doors, tile work, hollow metal skylights, rolling steel shutters (electric work, steam heating, elevators and refrigerating reserved). In addition to those previously reported, Bailey-Lush Co., 201 North Broad street, Philadelphia, are figuring.

Service Building, southeast corner Broad and Huntingdon streets, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut st., Philadelphia. Owners, R. A. Heymann & Bro., Widener Building, Philadelphia. Lessees, Goodyear Tire and Rubber Co., 207 North Broad street, Philadelphia. Brick and reinforced concrete, 2 stories and 1 story and basement, 115x129 feet and 168x109 feet, slag roof, maple, oak and cement floors, steam heating, electric lighting, rolled steel sash, fire doors, bulk windows, tile and marble work, rolling steel doors. Architect taking bids, due December 26th. In addition to those previously reported, Nickson-Duggan Const. Corp., 1218 Chestnut street, are figuring.

Residence (alt. and add.), Chestnut and Crefelt avenues, Chestnut Hill. Architects, Brookie & Hastings, 1713 Sansom street, Philadelphia. Owner, Alfred S. Weill, 8718 Seminole street, Chestnut Hill. Stone and plaster, 2½ stories. Plans in progress. Too early for details.

Residences (25), Marvine street, south of Courtland street. Architect, private plans. Owner, Edward G. Holloway, 2621 North Twentythird street, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hot water heating, electric lighting, hardwood floors. Owner ready for sub-bids in one week.

Residences (200), Wolf and Lee streets, Philadelphia. Architect, private plans. Own-

er, Mark Heller, 21p3 South Fourth street, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hot air heating, hardwood floors, tile work. Owner ready for sub-bids.

Office (alt.), 1338 Chestnut street, Philadelphia. Architects, Wallace & Warner, Real Estate Trust Building, Philadelphia. Owners, Chandler Bros. & Co., 1338 Chestnut street, Philadelphia. Consists of interior alterations, metal grilles, office partitions, marble work, cabinet work, dumb waiter. Architects taking sub-bids.

Service Building, Overbrook, Pa. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owners, Philadelphia Theological Seminary of St. Charles Borromeo, Overbrook, Pa. Stone, steel, hollow tile, reinforced concrete, terra cotta, 3 and 1 stories, 112x43 feet and 44x80 feet, slate, slag and tile roof, electric elevator, hollow metal skylights, terrazzo work, tile and marble work (heating, electric work, cement sidewalks and road work reserved). Architect taking bids, due January 2nd. In addition to those previously reported, Frank J. Colgan, 2205 North Broad street, Philadelphia, is figuring.

School and Convent, Seventeenth and Stiles streets, Philadelphia. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owners, Church of the Gesu, care of Rev. Charles Davey, S. J., pastor, southeast corner Eighteenth and Thompson streets. Brick, stone, reinforced concrete, terra cotta trim, 3 stories, 71x31 feet and 42x65 feet, slag and copper roof, maple floors (heating reserved), electric lighting, metal lath and sash, fire doors, hollow tile, copper skylights, tile and marble work, metal window guards, terrazzo work. Architect taking bids, due December 29th. E. E. Hollenback, Fifteenth and Race streets, is figuring in addition to those previously reported.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Loft Building, southwest corner of Tenth and Cherry streets, \$45,000. Architect, H. B. Weldon, 1606 Cherry streets, Philadelphia. Owner, Joseph Judovich, 232 South Second street, Philadelphia. Brick, 4 stories, 36x106 feet and 16x50 feet, slag roof, maple floors, metal sash, dampproofing, fire doors, tile and marble work (electric work, heating and sprinkler system reserved). Contract awarded to B. Bornstein, 1510 North Franklin street, Philadelphia.

Playgrounds (2), Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Recreation, Room 587, City Hall, Philadelphia. Shelter buildings, 1 story, frame, 24x42 feet, asbestos shingle roof, cement floors (plumbing separate bids), swimming pool, concrete, iron fences and gates, cement walks, grading and surfacing. Contract awarded to Wm. Mundy, 228 South Alder street, for Sixth and Christian streets, \$4,550. Contract awarded to James Connor, 1317 Arch street, for Cedar and Cambria sts.,

\$46,359, and grading at 72 cents per square yard.

Bank Building (interior work), Thirteenth and Market streets, Philadelphia. Architect, Alfred C. Bossoms, 336 Fifth avenue, New York City. Owners, Colonial Trust Co., 45 South Broad street, Philadelphia. Electric lighting, metal lath, cement, oak and linoleum floors, hollow tile work, metal lockers, cabinet work, steel doors, ornamental iron, tile and marble work. Contract awarded to Warren-Moore Co., Commercial Trust Building, Philadelphia.

Residence, 1325 Pine street, Philadelphia, \$10,000. Architects, Hoffman & Co., Finance Building, Philadelphia. Owner, J. A. McCarthy, Real Estate Trust Building, Philadelphia. Brick, marble trim, 3 stories, 16x60 feet, slag roof, steam heating, hardwood floors, electric lighting, waterproofing, dumb waiters. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

Stores (4), northeast corner Germantown avenue and Cumberland streets, \$5,000. Archi-

teet, Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owner, Henry W. Breyer, Ninth and Cumberland streets, Philadelphia. Brick, 1 story, 43x21 feet, slag roof (heating reserved), electric lighting, pine floors. Contract awarded to Wm. F. Koelle & Co., Twenty-sixth and Oxford streets.

Apartment House, Arch street, west of Seventeenth street, Philadelphia, \$450,000. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner's name withheld. Brick, steel, terra cotta, stone, 8 stories, 80x150 feet, tile roof (roof garden), steam heating, electric lighting, metal lath and sash, waterproofing and dampproofing, fire doors, ventilators, safety treads, tile and marble work, 2 passenger and 1 freight elevator, dumb waters, terrazzo work. Contract awarded to James G. Doak, Crozer Building, Philadelphia.

Hotel, Franklin Square, Philadelphia, \$275,000. Architects, Neubauer & Boyd, 1118 Chestnut street, Philadelphia. Owner's name withheld. Brick, stone, steel, reinforced concrete, terra cotta, 6 stories, 43x161 feet, slag roof, on concrete, steam heating, electric lighting, metal lath and sash, waterproofing and dampproofing, fire doors, ventilators, safety treads, tile and marble work, hollow tile, elevator and freight elevator, dumb waiters, terrazzo work. Contract awarded to James G. Doak, Crozer Building, Philadelphia.

Pier, Delaware River, foot of Cherry street, Philadelphia. Engineer, Norman L. Stamm, Bourse Building, Philadelphia. Owners, Department of Wharves, Docks and Ferries, Bourse Building. Substructure (concrete on wood piles), superstructure (steel and concrete), 100x536 feet, A. P. M. roof, asphalt, vitrified and granite floors, metal sash, etc. Lowest bidders, Snare & Triest Co., \$379,000.

Group of Buildings, Front and Federal sts., Philadelphia, \$39,185. Architect, Wm. H.

Cookman, Broad Street Station, Philadelphia. Engineer, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Company, Broad Street Station, Philadelphia. Brick, steel, concrete, plaster, corrugated iron, wagon shed office, 15x8 feet; yard clerk's office, 16x8 feet; car inspectors' building, 21x10 feet, carpenter shop, 25x12 feet; scale office, 9x6 feet; loading and island platform, 210x40 feet, garage, 34x23 feet; office and tool house, 76x24 feet, tile, tin and slag roof, steam heating, electric lighting, cement, composition and wood floors, metal lath, waterproofing, ventilators. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street, Philadelphia.

Shop (add.), 2035 North Sixty-third street, Philadelphia, \$1,000. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owner, Walter Bassett Smith, 2135 North Sixty-third street, Philadelphia. Brick, 2nd story addition, 30x50 feet, slag roof, cement floors, electric lighting. Contract awarded to Alan G. Smith, 2135 North Sixty-third street.

Post Office (alts.), Ninth and Chestnut sts., \$28,278. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Consists of interior alterations, metal lath, tile work, dumb waiter (plumbing and heating separate bids). Contract awarded to E. F. Fonder, Land Title Building, Philadelphia.

Residence (add.), St. Martins, Philadelphia, \$16,000. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, Samuel F. Houston, Real Estate Trust Building, Philadelphia. Stone, 1 story addition, 20x36 feet and 17x35 feet, slag roof (heating reserved), electric lighting, oak and cement floors, tile work. Contract awarded to J. P. Thompson, Real Estate Trust Building, Philadelphia.

28th. A. L. Fretz & Son, Heed Bldg., and E. J. Heddon, Finance Bldg., are figuring.

Residence (alt.), Lewiston, Pa. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, Walter Thompson, Lewiston, Pa. Consists of alterations, 3 baths, water heaters, vapor heating, electric lighting. Owner taking sub-bids on all lines.

Residence, Middletown, Md., \$15,000. Architect, Ed. Leber, Hay Building, York, Pa. Owner, Chas. M. Shank, Middletown, Md. Brick, 2½ stories. Plans in progress. Too early for details.

Store, Factory and Apartments (alt. and add.), West Market street, York, Pa., \$20,000. Architect, Ed. Leber, Hay Building, York, Pa. Owners, H. B. Beard & Co., York, Pa. Brick, 3 stories, 230x32 feet, steam heating. Plans in progress. Too early for details.

Church, Red Lion, Pa. Architect, John B. Hamme, Wiest Building, York, Pa. Owners, United Evangelical Congregation, Red Lion, Pa. Granite. Plans in progress. Too early for details.

Hotel, 3rd and Walnut streets, Harrisburg, Pa., \$1,000,000. Architects, Eisenwein and Johnson, Buffalo, N. Y., and W. L. Stoddard, 90 E. 40th street, New York City. Owner, E. Z. Wallower, president, and Warwick M. Oglesby, treasurer. Too early for details.

Factory (add.), 1009 W. 4th street, Wilmington, Del., \$4000. Architect, R. C. Tindall, 914 Orango street, Wilmington, Del. Owner, Chas. Beadenkopf Co., 1009 W. 4th street, Wilmington. Brick, 2½ stories, electric lighting. Plans completed. Owner will take bids in one week.

School, Galena, Md., \$7000. Architect, W. E. Hance, No. 204 W. 24th street, Wilmington, Del. Owner, School Commission of Galena, Md. Frame and concrete, 2 stories and basement, 31x62 feet, shingle roof, steam heating, electric lighting, wood floors. Plans in progress.

School, Palmerton, Pa., \$25,000. Architect, Chas. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, School Board of Palmerton, Pa. Brick and stone trimmings, 2 stories and basement, 92x62 feet, slag roof. Revised plans in progress.

Store (alt.), Carlisle, Pa., \$6000. Architect, C. Henry Kain, 317 Chestnut street, Harrisburg, Pa. Owners, Howman & Co., Harrisburg, Pa. Brick, 1 story, 61x30 feet, consists of new front, quarry, tile work, cabinet work, tile and marble work. Plans in progress. Will take bids in about two weeks.

Moose Temple, 3rd and Boas streets, Harrisburg, Pa., \$70,000. Architect, C. Harry Kain, 317 Chestnut street, Harrisburg, Pa. Owner, Loyal Order of Moose, No. 107, Harrisburg, Pa. Rough brick and stone, 3 stories and basement, 155x48 feet, slag roof, electric lighting, metal lath and sash, damp-proofing, fire doors, ventilators, tile and marble work, store front (electric lighting, plumbing and heating, reserved), leaded glass. Plans in progress.

Factory, Harrisburg, Pa., \$25,000. Architect, C. Harry Kain, 317 Chestnut street, Harrisburg, Pa. Owner, name withheld. Brick and concrete, 2 stories and basement, 43x103 feet, slag roof (heating not decided), electric lighting, metal lath, fire doors, ventilators (1) elevator, cement floors. Plans in progress.

Apartment House, Athens avenue, Ardmore, Pa. Architect, Robt. W. Pollock, 1802 Chestnut street, Philadelphia. Owner, Walter Bassett Smith, 2135 N. 63rd street, Philadelphia. Brick and terra cotta, 3 stories, 30x90 feet, slag roof, hot water or steam heating, electric lighting, hardwood floors, tile work. Builder, Alan G. Smith, 2135 N.

PENNSYLVANIA

Construction News

Brookside Country Club, Pottstown, Pa., \$15,000. Architect, F. A. Muhlenberg, 5th and Penn streets, Reading, Pa. Owner, Brookside Country Club, Pottstown, Pa. Brick, stucco, stone, 2½ stories, 100x50 feet, slate roof (hot water heating, plumbing, electric wiring and fixtures reserved), hardwood floors, tile work. Plans completed. Owner ready for bids.

Storage House, Reading, Pa. Architects, Muhlenberg Bros., Second National Bank Bldg., Reading, Pa. Owner, Carpenter Steel Works, Reading, Pa. Plans in progress. Too early for details.

Factory, 1017 Chestnut street, Reading, Pa. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owners, J. L. Fries & Son, on premises. Concrete and steel, 2 stories, 65x45 feet, slag roof (steam heat, electric lighting and (1) elevator reserved), concrete floors, steel sash, fire doors. Architect taking bids due January 3, 1917.

Church, Grimsville, Pa. Architect, G. C. Freeman, Reading, Pa. Owner, Lutheran and Reformed Congregation, Grimsville, Pa. Stone, 1 story, 110x48 feet, slate roof, steam heating, wood floors. Plans in progress.

Church, Jacksonville, Pa. Architect, G. C. Freeman, Reading, Pa. Owner, Lutheran and Reformed Congregation, Jacksonville, Pa. Stone, 1 story, slate roof. Preliminary plans in progress.

Residence and Garage, Pensido, Pa. (Carsonia avenue, Reading, Pa.) Architect, Alex. F. Smith, Reading, Pa. Owner, B. T. Whitman, Reading, Pa. Brick, 2½ stories, 40x50

feet, tile roof. Plans in progress.

Apartment House (alt. and add.), Reading, Pa., \$3000. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, James Kaso, Reading, Pa. Brick and stone, 3 stories, 76x20 feet, tin roof, hot water heating, electric lighting. Plans in progress.

Apartment House (alt. and add.), Reading, Pa. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, Jos. Zable, Reading, Pa. Brick and stone, 3 stories, 86x15 feet. Plans in progress.

Store House, Reading, Pa. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner Jos. Zable, Reading, Pa. Frame and galvanized iron, 2 stories, 143x15 feet. Plans in progress. Architect will be ready for bids in about three weeks.

Toilet Stations (2), Reading Shops, Reading, Pa. Engineer, S. T. Wagner, Reading Terminal, Philadelphia. Owner, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Brick and concrete, 1 story, 22x35 feet, and 22x23 feet, slag roof (heating and lighting reserved), cement and asphalt floors, ventilators. Owners taking bids due December 27th. H. E. Baton, 12th and Sansom streets, F. A. Havens & Co., 845 N. 19th street, Philadelphia, are figuring.

Garage-Stable, Cynwyd, Pa. Architect, John L. Coneys, Drexel Bldg., Philadelphia. Owner, Jos. B. Haywood, Levering and Bala avenue, Cynwyd, Pa. Stone and frame, 1½ stories, 40x52 feet, slate roof, cement and pine floors, electric lighting (heating reserved). Architect taking bids, due December

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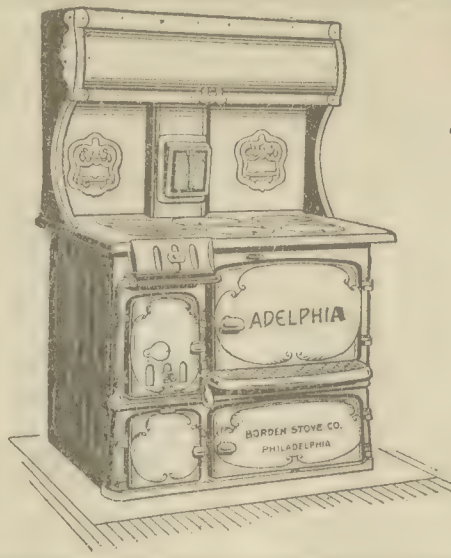
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63rd street, will take sub-bids about January 15, 1917.

Service Building, Overbrook, Pa. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, Philadelphia Theological Seminary of St. Charles Borromeo, Overbrook, Pa. Stone, steel, hollow tile, reinforced concrete, terra cotta, 3 and 1 stories, 112x43 feet and 44x80 feet, slate, slag and tile roof, pine and cement floors, metal lath, fire doors, electric elevator, hollow metal skylights, terrazzo work, tile and marble work (heating, electric work, cement sidewalks and road work reserved). Architect taking bids, due January 2nd. The following are figuring: John McShain, 1610 North street; Wm. J. McShane, 417 N. 13th street; Doyle & Co., 1519 Sansom street; Monaghan & Losse, 3016 Chestnut street; Melody & Keating, 1322 Race street; Wm. D. Dougherty, 1610 Sansom street, and Ketcham & McQuade, 1029 Brown street, Philadelphia.

Bridge, No. 52 (extension), South of Valley, Chester Co., Pa. Architect, S. T. Wagner, Reading Railway Co., Philadelphia. Owner, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Steel and concrete, asphalt work, excavation, masonry. Owners have received bids.

Bridge, No. 51, South of Winfield, Pa. Architect, S. T. Wagner, Reading Terminal, Philadelphia. Owner, Phila. & Reading Railway Co., Reading Terminal, Philadelphia. Steel and concrete, 50 feet long, waterproofing. Owners have received bids.

Residence and Garage, Mallwyd Road, Merion, Pa. Architects, Seeburger & Rabonold, Pennsylvania Building, Philadelphia. Owner, Chas. C. Gano, 6207 Carpenter street, Philadelphia. Stone, 2½ stories, 53x31 feet and 17x25 feet. Garage, 1½ story, 28x28 feet, slate roof, hot water heating, electric lighting, oak, composition and cement floors, tile work. Architects taking bids, due December 30th. The following are figuring:

Wm. R. Dougherty, 1610 Sansom street; Graham-Campion Co., Heed Building; E. J. Hedden, Finance Building; M. W. Young, Overbrook, Pa., and John E. Kearney, 327 N. 63rd street, Philadelphia.

Garage (alt. and add.), Reading, Pa., \$15,000. Architect, Wayne M. High, 416 Penn street, Reading, Pa. Owner, Heydt Motor Corp. Co., care Mr. Heydt, Reading, Pa. Brick and steel, reinforced concrete, 2 stories, 50x96 feet, slag roof, steam heating, electric lighting reinforced concrete, waterproofing and dampproofing. Architect taking sub-bids on all lines.

Residence (alt.), Lewiston, Pa. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, Walter Thompson, Lewiston, Pa. Consists of alterations, 3 baths, water heaters, vapor heating, electric lighting. Owner taking sub-bids on all lines.

Store, Factory and Apartments (alt. and add.), West Market street, York, Pa., \$20,000. Architect, Ed. Leber, Hay Building, York, Pa. Owners, H. B. Beard & Co., York, Pa. Brick, 3 stories, 230x32 feet, steam heating. Plans in progress. Too early for details.

Church, Red Lion, Pa. Architect, John B. Hamme, Wiest Building, York, Pa. Owners, United Evangelical Congregation, Red Lion, Pa. Granite. Plans in progress. Too early for details.

Freight House, Office and Platform, Vine and Mine streets, Hazleton. Engineer, Chief Engineer Lehigh Valley Railroad, 143 Liberty street, New York City. Owners, Lehigh Valley Railroad Company, 228 South Third street, Philadelphia. Brick, steel and concrete, terra cotta trim, 1 and 2 stories, 42x304 feet and 20x140 feet, J. M. asbestos roof, steam heat, electric light, metal lath and sash, cement and pine floors, kalamein doors, ventilators, tile work, rolling steel doors and shutters. Owners, care of Engineering Department, taking bids, due December 29th. Hogg Const. Co., 1634 Sansom street, Philadelphia, is figuring, in addition to those previously reported.

PENNSYLVANIA

Contracts Awarded

Store, Office and Apartments, Lewistown, Pa. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, Walter Fastnact,

Lewistown, Pa. Brick and terra cotta, 3 stories, 30x145 feet, slag roof, steam heating, electric lighting, tile work, hardwood

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floors. Contract awarded to W. D. Steinbach Sons, Lewistown, Pa.

Store and Apartments, Lewistown, Pa., \$20,000. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, E. E. McWeen, Lewistown, Pa. Brick, steel and terra cotta, 3 stories, 31x105 feet, slag roof, steam heat, electric light, skylights, store fixtures, tile and marble work, metal window guards. Contract awarded to W. D. Steinbach Sons, Lewistown, Pa.

Residence (alt.), King of Prussia Road, Radnor, Pa., \$2000. Architect, private plans. Owners, Mrs. Edward K. Rowland, Radnor, Pa. Stone and plaster, 3 stories, fire repairs, pine floors, plastering and painting, tile work. Contract awarded to Geo. F. Payne & Co., 401 S. Juniper street, Philadelphia.

Open Air School (add.), 8th street below Chestnut street, Reading, Pa. Architect, F. A. Muhlenberg, 5th and Penn streets, Reading, Pa. Owner, Penn Optical Co., Reading, Pa. Hollow tile, corrugated asbestos, 1 story, 40x30 feet, asbestos roof, tile quarry floors. Contract awarded to John H. Wickersham, Lancaster, Pa.

Factory, Lebanon, Pa., \$10,000. Architect, Geo. L. Gerhard, 519 Penn street, Reading, Pa. Owners, Yocum Bros., 4th and Walnut streets, Reading, Pa. Brick, slow burning construction, 2 stories, 40x101 feet, slag roof, steam heating, electric lighting, elevators, metal lockers, fire doors, sprinklers. Contract awarded to S. H. Funk, Cleonia, Pa.

Residence, Wyomissing, Pa. Architect, A. A. Ritcher, 6th and Court streets, Reading, Pa. Owners, Geo. Moyer, Wyomissing, Pa. Stone, 2½ stories, 46x38 feet, slate roof, vapor heating, electric lighting, reinforced concrete floors. Contract awarded to Geo. A. Koch, 1024 Robinson street, Reading, Pa.

Twin Residence, Kempton, Pa., \$5000. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, Ames S. Gremawalt, Reading, Pa. Frame and brick, 2½ stories, 36x40 feet, slate and tin roof, hot air heating, electric lighting. Contract awarded to Wm. C. Burkey, 47 S. 8th street, Reading, Pa.

Store (alt. and add.), 508 Penn street, Reading, Pa., \$6000. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, Mrs. Ella C. Heim, 508 Penn street, Reading, Pa. Brick, 1 story and basement, 100x30 feet, slag roof, steam heating, electric lighting, wood floors (heating reserved). Con-

tract awarded to John H. Fassnacht, Reading, Pa.

Garage, Wynnewood Manor, Pa., \$800. Architect, private plans. Owner, Walter Bassett Smith, 2135 N. 63rd street, Philadelphia. Frame, 1 story, 19x23 feet, asphalt shingle roof, cement floors (plumbing, heating and lighting reserved). Contract awarded to Alan G. Smith, 2135 N. 63rd street.

Residence, Wyomissing, Pa., \$4500. Architects, Stetler & Mengle, Wyomissing, Pa. Owner, Julius Kaufmann, Reading, Pa. Brick and hollow tile, 2½ stories, 27x38 feet, slate roof, electric lighting. Architects ready for bids.

Store (alt. and add.), 532 Hamilton street, Allentown, Pa., \$7000. Architect, David Levy, Buckley Building, Allentown, Pa. Owner, The Peoples' Store, Allentown, Pa. Brick, 1 story, 20x30 feet, slag roof, steam heating, maple floors, electric lighting, metal lath, store fixtures, terrazzo work, tile and marble work (lighting, marble and terrazzo work reserved). Contract awarded to J. A. Nagle, Allentown, Pa.

Residences (3), Rosemont, Pa., \$12,000. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Harold T. Magee, Wilbur Trust Building, South Bethlehem, Pa. Hollow tile and rough tex brick, 2 stories, 26x30 feet, asbestos roof, hot water heating, electric lighting, hardwood and tile floors. Contract awarded to L. O. Gramley, S. Main street, Bethlehem, Pa.

Store, Office and Apartments, Lewistown, Pa. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, Walter Fastnacht, Lewistown, Pa. Brick, steel and terra cotta, 3 stories, 30x145 feet, slag roof, steam heating, electric lighting, tile work, hardwood floors. Contract awarded to W. D. Steinbach Sons, Lewistown, Pa.

Store and Apartments, Lewistown, Pa., \$20,000. Architect, John B. Hamme, Wiest Building, York, Pa. Owner, E. E. McWeen, Lewistown, Pa. Brick, steel and terra cotta, 3 stories, 31x105 feet, slag roof, steam heat, electric light, skylights, store fixtures, tile and marble work, metal window guards. Contract awarded to W. D. Steinbach Sons, Lewistown, Pa.

Laundry, North Lime street, Lancaster, Pa., \$18,000. Architect, Malvern R. Evans, 10 East Orange street, Lancaster, Pa. Owners, Lancaster General Hospital, Lancaster, Pa. Brick, 1 story, 44x97 feet, slate roof, steam heating, electric lighting, metal lath. Con-

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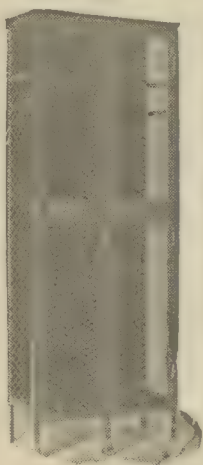


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tract awarded to Herman Wohlsen, Woolworth Building, Lancaster, Pa.

Bungalow, Conewago Heights, Pa., \$4,500. Architects, Gemmill & Billmeyer, York, Pa.

Owner, Henry K. Ottmeier, Conewago Heights, Pa. Frame, 1 story, 47x54 feet, shingle roof, steam heating, electric lighting. Contract awarded to J. C. Gutwald, York, Pa.

NEW JERSEY Construction News

Rectory, Berkley and Overbrook avenues, Trenton, N. J., \$8000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owners, Parish of All Saints, Berkley and Overbrook avenues, Trenton, N. J. Stone, 2½ stories, 34x44 feet, slag roof, hot water heating, electric lighting. Plans in progress.

Laboratory Building, Trenton, N. J., \$20,000. Architect, Geo. S. Drew, State Capitol, Trenton, N. J. Owner, State of New Jersey, Trenton, N. J. Brick and slow burning construction, 4 stories, 50x40 feet, slag roof, hot water heating, electric lighting, dumb-waiters. Plans in progress.

Cigar Factory (alt. and add.), Adeline and Beatty streets, Trenton, N. J. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Bros., 3rd and Spruce streets, Philadelphia. Brick, slow burning, 3 stories, 40x100 feet, wing, 1 story, 22x100 feet, slag and slate roof, metal lath, steam heating (1) elevator, electric lighting, modern plumbing, skylights, wood and composition floors. Architect taking bids, due December 29th. In addition to those previously reported Hughes Foulkrod Co., Commonwealth Building, Phila.; Burton & Burton, S. W. Mather & Son, I. Harper Clayton, Ed. D. La Rue and Thomas T. Donigan, all of Trenton, N. J., are figuring.

Sunday School, Kenwood and Wildwood avenues, Camden, N. J. Architect, Geo. E. Savage, 807 Witherspoon Building, Philadelphia. Owner, Parkside Baptist Church, care Norman L. Smith, 1440 Kenwood avenue, Camden, N. J. Stone, 2 stories and basement, 60x79 feet, slag and slate roof, steam heating, electric lighting, pine and cement floors (1) ventilator, tile work. Architect taking bids, due January 5th. E. E. Hollenback, 15th and Race streets; Thos. C. Trafford, 1613 Sansom street; Geo. Bachmann, Delaware avenue and George street, and J. Draper, 436 Haddon avenue, both of Camden, N. J., are figuring.

Filter Building, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, 2 stories. Architects taking bids, due December 30th. Cramp & Co., Denekla Building, and Irwin & Leighton, 126 North Twelfth street, are figuring.

Store and Residence (alt. and add.), 453 Kaighn avenue, Camden, N. J., \$3,000. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, James Stevens, 453 Kaighn avenue, Camden, N. J. Brick, 2 stories, 45x25 feet, skylights, steam heating, electric lighting, ventilators, wood floors, iron beams, fusing sash. Owner taking bids.

NEW JERSEY Contracts Awarded

Factory (add.), Perry street, Trenton, N. J., \$8000. Architects, Kleeman & Fowler, First National Bank Building, Trenton, N. J. Owner, Thos. Maddock & Sons Co., Perry street, Trenton, N. J. Brick, 3 stories, 70x23 feet, slag roof, steam heating, electric lighting, yellow pine floors, elevators, fire doors (elevator reserved). Contract awarded to

S. W. Mather & Son, Greenwood and Canal streets, Trenton, N. J.

Residence (alt. and add.), Woodbury, N. J., \$2,000. Architects, Moffett & Stewart, Inc., 30 North Third street, Camden, N. J. Owner, C. R. Synott, Woodbury, N. J. Frame, 1 story, 20x16 feet, shingle roof, maple floors, weather strips. Contract awarded to Joseph W. Best, Woodbury, N. J.

MARYLAND Construction News

Residence, Middletown, Md., \$15,000. Architect, Ed. Leber, Hay Building, York, Pa. Owner, Charles M. Shank, Middletown, Md. Brick, 2½ stories. Plans in progress. Too early for details.

Freight House and Office, Jackson's Wharf, Baltimore, Md. Architects, Maintenance of Way Department, Broad Street, Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, steel, concrete, corrugated iron and asbestos protected siding, 1 story, 50x180 feet, slag or

built-up roof, steam heating, electric lighting, pine floors, rolling steel doors and shutters, ventilators (metal lockers, cement, structural steel and paving reserved). Owners, care of Baltimore Division, taking bids, due January 6th. Irwin & Leighton, 126 North Twelfth street, are figuring.

Bungalow, Mt. Washington, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, Daniel H. Flynn, care of W. W. Lanahan & Co., Baltimore, Md. Frame, 1½ stories, shingle roof, hot water heating, electric

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lighting, tile work, hardwood floors, plumbing. Plans in progress.

Residence, Bush River, Md., \$10,000. Architect, Laurence H. Fowler, 347 North Charles street, Baltimore. Owner, J. Albert Hughes, Munsey Building, Baltimore. Hollow tile and stucco, 2½ stories. Plans in progress. Too early for details.

Factory, Bayard and Russell streets, Baltimore, \$15,000. Architects, Macneil & Macneil, Lexington street building, Baltimore. Owners, Dixie Manufacturing Co., Russell and Stockholm streets, Baltimore. Brick, slow burning, 64x120 feet, slag roof, electric lighting, freight elevators, metal sash. Plans in progress.

Garage, 3505 Windsor Mill Road, Baltimore, Md., \$17,000. Architect, Fred Thomas, Gunther Building, Baltimore. Owner, Mrs. M. E. Horn, Baltimore, Md. Brick, 1 story, slag roof, steam heating, electric lighting, reinforced concrete work. Plans in progress.

Bank Building, 1808 Pennsylvania avenue, Baltimore. Architect, A. Cookman Leach, 323 North Charles street, Baltimore. Owners, Calvert Bank, Howard and Saratoga streets, Baltimore. Brick, marble, terra cotta trim, 1 story, 34x50 feet, slag roof, hot air heating, electric lighting, reinforced concrete work, tile work, marble work, cabinet work. Architect taking bids, due December 28th. The following are figuring: John Waters Building Co., 23 East Centre street; Charles Herbold & Son, 2768 West North avenue; James L. Robinson Const. Co., 218 East Lexington street; C. C. Watts, 407 Twenty-fifth street, and J. M. Gerber, 123 South Fulton avenue, all of Baltimore.

Residences (14), Augusta and Walrad avenues, Baltimore. Architect, Fred E. Beall, 306 St. Paul street, Baltimore. Owner, J. Chas. Linthicum, 217 St. Paul street, Baltimore. Brick, 2 stories, 14x50 feet, tin roof, steam heating, electric lighting. Owner is taking sub-bids on all lines.

School Building, Poppleton and Hollins sts., Baltimore. Architects, Murphy & Olmstead, 1413 H street, Washington, D. C. Owners, St. Peter's parish, Rev. Thomas J. Kenny, 848 Hollins street, Baltimore, Md. Brick, terra cotta trim, 3 stories, steam heating, electric lighting, concrete work, dampproofing, metal lath, tile, marble, slate and terrazzo work, plumbing, painting and plastering. Architect taking bids, due January 2nd. The following are figuring: Edw. Brady & Son, 1109 Cathedral street; Monmonier & Sorrell, 1711 Tich street; James J. O'Connor, 427 East Lexington street, all of Baltimore, Md., and Charles J. Cassidy Co., Southern Building, Washington, D. C.

Warehouse, 12-14 North Paca street, Baltimore, Md. Architects, Walter M. Gieske & Frederick Thomas, Gunther Building, Baltimore. Owners, Rosenbloom & Levy, 716-18 West German street, Baltimore. Reinforced concrete, brick veneer, 6 stories, slag roof, electric lighting, freight elevator. Architects taking bids, due December 29th. The following are figuring: R. H. Frazier & Son, 224 West Mulberry street; Milton C. Davis, 902 East Thirty-sixth street; Consolidated Eng. Co., Calvert Building; Fred Decker & Son, 1209 East Biddle street; Cogswell-Koether Co., 406 Park avenue; D. M. Andrews Co., Mt. Vernon avenue and Twenty-sixth street; B. F. Bennett Building Co., 123 South Howard st.; W. E. Harn Co., 217 North Calvert street; J. Henry Miller Ind., Eutaw and Franklin sts.; R. B. Mason, 308 West Madison street; Price Concrete Const. Co., Maryland Trust Building; J. L. Robinson Const. Co., 218 East Lexington street; Clarence E. Stubbs, Equitable Building; Singer-Pentz Co., Equitable Building; West Const. Co., American Building; John Waters Building Co., 23 East Center street; A. F. West, 15 Fayette street; Henry Smith & Sons, Light and German streets; Morrow Bros., Fidelity Building, all of Baltimore, Md.

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Charles H. Tindall & Son, 614 Tatnall street; W. D. Haddock & Co., 804 Orange street; A. S. Reed & Bro. Co., 815 Shipley street, and Charles E. Eckman, all of Wilmington, Del., are figuring.

Church and Sunday School Building, Austin, Texas, \$100,000. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, University Baptist Church, Dr. Maddry, chairman Building Committee, Austin, Texas. Stone, brick, stucco, white marble and colored terra cotta, 1 and 3 stories, 160x70 feet, tile roof (heating and electrical work and plumbing reserved). Plans in progress.

EXPOSURE FIRES IN MERCANTILE PREMISES.

(Continued from page 846.)

be protected, according to circumstances, by fire doors, shutters or indows of approved construction. To pass from the purely selfish to the community point of view, it may be pointed out such devices resist not only the entry but also the exit of fire and thus relieve a public-spirited proprietor from the fear of himself being an unnecessary danger to others, should a fire break out on his own premises.

The water curtain provided by outside sprinklers is an effective safeguard against all but the hottest exposure fires, and while the inside automatic sprinkler was not designed primarily for that purpose, it has again and again proved itself equal to the task of preventing an outside fire from gaining any hold in a sprinklered building. Under conflagration conditions, indeed, in the face of which the effectiveness of no apparatus can be absolutely guaranteed, a group of well sprinklered buildings with adequate water supply form a enffective fire stop, even though one or two of the most severely exposed of them may be consumed. The absorption of heat secured as a result of forcing the fire to burn through what Mr. Albert Blauvelt has called "cages of spray" tremendously facilitates the work of the fire fighters, and gives the surrounding buildings a chance.

Even in isolation, well protected buildings occasionally pass practically unscathed through the test of a city conflagration and remain after the fire, solitary witnesses, amid the general ruin, to the unheeded possibilities of intelligent fire protection. On the other hand, there are instances of large mercantile premises, not well protected, being destroyed by exposure to comparatively insignificant fires. It may be urged that such occurrences are exceptional. Of course they are; all fires are exceptional. The question for the proprietor of the mercantile establishment is how much thought and money it is worth his while to expend on the protection of his busi-

MARYLAND

Contracts Awarded

Apartments (7), 3601-11 Forest Park avenue, Baltimore, Md., \$35,000. Architect, John R. Forsyth, 232 St. Paul street, Baltimore. Owner, Hamilton Apartments Co., Baltimore, Md. Brick, 2 stories, tin or slag roof, electric lighting, painting, plumbing, plastering. Contract awarded to Lorenz Schoenlein & Son, Gunther Building, Baltimore.

Factory and Store (alt. and add.), 1600 Lin-

den avenue, Baltimore, \$6,500. Architect, private plans. Owner, W. E. Flynn, on premises. Consists of new front, brick addition, slag roof, electric lighting, metal ceilings, plastering, painting, plumbing, interior tile, plate glass. Contract awarded to B. F. Bennett Building Co., 123 South Howard street, Baltimore.

Miscellaneous Construction News

Signal Cabins (3) Greenwood, Harrington and Broad Creek, Del. (\$4000 each). Architect, M. of W. Dept., Broad Street Station, Philadelphia. Owners, Penna. R. R. Co., Broad Street Station, Philadelphia. Hollow tile and plaster, 2 stories, 18x16 feet, tile roof, hot water heating, cement floors, metal lath (plumbing, electric work and cement work reserved). Owners, care Delaware Division, Wilmington, Del., taking bids, due January 6th. Hughes, Foulkrod Co., Commonwealth Building; Irwin & Leighton, 126 N. 12th street; Chas. McCaul Co., 1713 San-

som street; Metzger & Fisher, Denckla Building; Brann & Stuart, Commercial Trust Building; Roydhouse-Arey Co., 112 N. Broad street, and F. A. Havens & Co., 845 N. 19th street, Philadelphia, are figuring.

Residence (add.), Eleventh and Madison streets, Wilmington, Del., \$10,000. Architect, Roscoe C. Tindall, 914 Orange street, Wilmington, Del. Owner, Dr. Willard Springer, 810 Washington street, Wilmington. Stucco, 3 stories, 25x100 feet, slate roof, vapor heating, electric lighting, tile and marble work. Architect taking bids, due December 29th.

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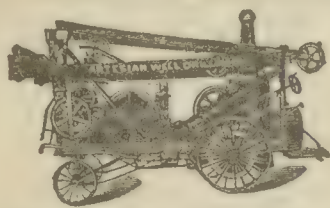


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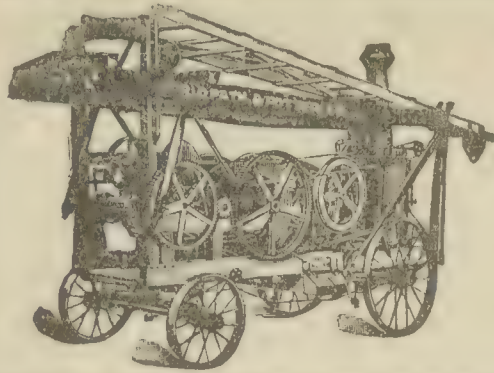
ness against such a contingency, with its attendant waste of human resources (and possibly of human life), dislocation of trade, and unemployment among the workers.

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Philadelphia

Building, Broad and Wood streets, \$290,000. Packard Motor Car Co. (O), on premises. Cramp & Co. (C), Denekla Building. Reinforced concrete, 8 stories, 69x69 feet, slag roof.

Building, Germantown avenue and Cumberland street, \$400. Henry H. Breyer (O), Ninth and Cumberland streets. Wm. F. Koelle & Co. (C), Twenty-sixth and Oxford streets. Brick, 1 story, 70x60 feet, slag roof.

Office Building, Thirty-eighth and Wyalusing avenue, \$9,000. Pennsylvania Railroad Co. (O), Broad Street Station. Monaghan & Losse (C), 3016 Chestnut street. Brick, 2 stories, 54x54 feet, slag roof, steam heating system.

Dwellings (4), 516-18-20-22, Titan street, \$6,000. Philip Davis (O), 1514 East Moyamensing avenue. Isaac Seidman (C), 1324 South Fourth street. Brick, 2 stories, 15x27 feet, slag roof, hot air heating.

Public School, northwest corner of Eighth and Wolf streets, \$67,000. Board of Education (O), Nineteenth above Chestnut street. Melody & Keating (C), 1322 Race street. Brick, 3 stories, 164x167 feet, slate roof, steam heat.

Boiler house and stock, Frankford avenue, north of Pennsylvania Railroad, \$6,000. Hulan Printing Processing Co. (O), care of George H. Thirsk & Son, 3851 Frankford avenue. Brick, 1 story, 70x86 feet, slag roof.

Dwelling, 1325 Pine street, \$10,000. John A. McCarthy (O), care of Real Estate Trust Co. F. B. Davis (C), 240 North Sixteenth street. Brick, 3 stories, 15x50 feet, slag roof, hot water heat.

Dye house, Leverington and Wilde street, \$500. Fred Pearson Co. (O), Manayunk. W. S. Dyer (C), Land Title Building. Brick, 1 story, 19x30 feet, slag roof.

Workshop, Delaware avenue and Morris st., \$4,000. Baugh & Sons Co. (O), on premises. Belmont Iron Works (C), Twenty-second and Washington avenue. Iron frame and roof, 1 story, 27x68 feet.

Dwelling, Lincoln avenue, south of Springer street, \$7,500. James N. Mitchell (O and C), Forty-sixth and Market streets. Brick, 3 stories, 37x25 feet, slate roof, hot water heat.

Dwellings (70), Malcolm street, west of Fortieth, \$245,000. Edw. J. Rusk (O and C), 5216 Spruce street. Brick, 2 stories, 15x30 feet, slag roof, hot water heat.

Manufacturing building, Broad and Wallace streets, \$36,000. R. A. Heyman (O), Widener Building. Isaac T. Shoemaker (C),

1324 Walnut street. Brick, 3 stories, 38x38 feet, slag roof.

Dwellings (7), Germantown avenue and Duval street. Charles J. Day (O and C), 223 South Fifty-second street. Brick, 2 stories, 16x30 feet, slag roof, hot water heat.

Storage, Thirtieth street, south of Locust street, \$75,000. Morris Wheeler Co. (O), Sixteenth and Market streets. Wm. Steele & Sons Co. (C), 1600 Arch street. Brick, 1 story, 467x516 feet, slag roof.

Chapel, Seventh and Wyoming avenue, \$1,200. E. Clarence Miller (O), 314 Chestnut street. Henry P. Schneider (C), 3713 York road. Frame, 1 story, 20x60 feet, rubberoid roof.

Manufacturing building, Milnor and Unruh streets, \$150,000. Erben Harding Co. (O), on premises. Wm. Steele & Sons Co. (C), 1600 Arch street. Brick, 4 stories, 150x150 feet, slag roof.

Dye house, Mallory street, Manayunk, \$9,000. Fred. Pearson Co., Inc. (O), Levering and Wilde streets. W. E. Dyer (C), Land Title Building. Brick, 1 story, 54x110 feet.

School and convent, Seventeenth and Stiles streets, \$70,000. Rev. J. Charles Davey, S. J. (O and C), St. Joseph's College. Brick, 3 stories, 95x95 feet, slag roof, steam heating.

Dwellings (29), north side of Wingohocking street, east of Seventh street. J. Harry Oliver (O and C), Land Title Building. Brick, 2 stories, 15x32 feet, slag roof, hot water heating.

Garage, Sedgely avenue, east of Twelfth street, \$400. Weitzel Lumber Co. (O and C), Germantown avenue and Sedgely avenue. Brick, 1 story, 18x13 feet, slag roof.

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Alterations and Additions

Boiler, Fifty-first and Gray's avenue, \$700. Tioga Steel and Iron Co. (O), Fifty-second and Gray's avenue. Walter Kidde (C), 140 Cedar street, New York. One boiler, 242 horse power.

Dwelling, Cherakee avenue, north of Willow avenue, \$16,000. Samuel Houston (O), St. Martins, Pa. J. P. Thompson (C), Real Estate Trust Building. One-story addition, stone, 25x14 feet, slag roof; one-story conservatory, stone, 17x32 feet, glass roof.

Store, 923 Market street, \$2,000. S. W. Hirsh (O), on premises. B. Bornstein (C), 1510 North Franklin street. Repairs.

Offices, Tenth and Chestnut streets, \$500,000. Philadelphia Electric Co. (O), Tenth and Chestnut streets. John R. Wiggins (C), 1215 Filbert street. Side addition, 9 stories, brick, 72x46 feet.

Dwelling, 1407 North Twenty-fifth street, \$600. I. Kornstein (O), 948 North Second street. B. Israel (C), 863 North Fourth st. Flush bulks.

Store, 2836 Germantown avenue, \$350. Ideal Piano and Talking Machine Co. (O), 2835 Germantown avenue. Century Manufacturing Co. (C), Elizabethtown, N. J. Sign.

Storage, 606-08 North American street, \$2,000. Pottash Bros. (O), 504 North American street. Joseph Farbstein (C), 908 Walnut street. Alterations.

Store and dwelling, 716 North Broad street, \$7,500. Wm. Stellmag (O), 706 North Broad street. Ira K. Davis (C), 2400 West Oakdale street. Side addition, 1 story, brick, 6x36 feet, slag roof; rear addition, 1 story, brick, 20x24 feet, slag roof.

Store and dwelling, 633 Porter street, \$825. Mr. Freidman (O), on premises. M. Lesse (C), 816 Winton street. Repairs to bulk windows, repairs fire damages.

Dwelling, 1023 South Nineteenth street, \$300. Ellen Taylor (O), on premises. Robert Baile & Co. (C), 813 South Nineteenth street. Steam heating system.

Saloon, 4829 Paschall avenue, \$700. Mrs. P. Conley (O), 4827 Paschall avenue. George C. Lyons (C), 631 South Forty-second street. Alterations.

Store, 7 Arch street, \$800. Harry Lamb (O), 102 North Delaware avenue. Lam Building Co. (C), 1001 Wood street. Flush bulks.

Garage, south side of Gates street, east of Ridge avenue, \$400. William R. Haggart (O), on premises. Henry C. Mays (C), 6820 Ridge avenue. Alterations.

Dwelling, 410 Durfor street, \$600. Max Shusterman (O and C), 410 Durfor street. Rear addition, 2 stories, brick, 12x10 feet, slag roof.

Store and dwelling, 35 South Fifty-second street, \$300. B. D. Beewald (O), 641 Preston

street. James M. Holm (C), 5556 Arch street. Repairs.

Store and dwelling, 4667 Frankford avenue, \$350. L. Talesnech (O), on premises. I. Winoker (C), 1004 Montgomery avenue. Repairs, flush bulks.

Store and dwelling, 4669 Frankford avenue, \$400. L. Talesnech (O), on premises. I. Winoker (C), 1004 Montgomery avenue. Flush bulks, alteration.

Tank supports, Eleventh and Cambria sts., \$380. The Penn Rivet Co. (O), Eleventh and Columbia avenue. Stewart Bros. (C), 2528 North Orkney street.

Manufacturing plant, Swanson and Jackson streets, \$500. Haishaw, Fuller, Gordon Co. (O), on premises. A. R. Raff Const. Co. (C), 1635 Thompson street. Reinforced concrete boiler foundation.

Storage warehouse, Swanson and Beck streets, \$4,000. J. Millan Hagy Waste Works (O), 836 South Swanson street. Barclay, White Co. (C), 1713 Sansom street. Frame addition, 1 story, 70x15 feet, slag roof.

Dwelling, 248 South Eighth street, \$1,680. Merchant Union Trust Co. (O), 715 Chestnut street. Wm. Ferguson & Son (C), 405 South Twenty-first street. Alterations.

Dwelling, 1122 South Broad street, \$1,825. Mary Wilson (O), on premises. Sutton & Stephenson (C), 1317 Washington avenue. Interior alterations.

Restaurant, 1535 Filbert street, \$5,000. Pennsylvania Railroad Co. (O), Broad Street Station. Smith-Hardican Co. (C), 1606 Cherry street. Rear addition, 1 story, 16x92 feet, flush bulks.

Electric sign, Twenty-third and Market streets, \$350. Vim Auto Co. (O), on premises. Thos. Cusack Co. (C), 814 Walnut st.

Business, 1711 Sansom street, \$400. Mellon Estate (O), Bryn Mawr, Pa. Geo. C. Dougherty (C), 1725 Ludlow street. Brick addition, 1 story, 10x16 feet, slag roof.

Store, 1605 Columbia avenue, \$380. W. R. Dunn (O), Easton, Pa. John J. Niehenke (C), 1639 North Eighteenth street. Rear shed, 16x10 feet, brick.

Stores and offices, Sixteenth and Walnut streets, \$10,500. Maxwell & Berlet (O), on premises. A. H. Williams Sons (C), 419 Locust street. Brick addition, 1 story, 30x15 feet, flush bulks, fire tower, elevator shaft.

Bank, 431 Chestnut street, \$650. Tradesman's National Bank (O), on premises. R. C. Ballinger (C), 218 North Thirteenth street. Repairs.

Storage, Schuylkill avenue and Christian street, \$1,200. De Fraina Sand Co. (O), Beach and Berks streets. James Bechtel (C), Fifteenth and Race streets. Brick addition, 1 story, 8x11 feet, concrete roof.

Store and dwelling, 305 West York street, \$300. Hand-in-Hand Building Association (O), Howard and Girard avenue. Henry A. Hobert (C), 2620 East Cumberland street. New flush bulks.

Garage, 750 North Brooklyn street, \$500. Mrs. A. L. Butz (O), 735 North Forty-first street. James M. Holm (C), 5556 Arch street. Install heating plant.

Apartment house, 1604 Arch street, \$700. George L. Parker (O), 1537 Chestnut street. John Baizley Iron Works (C), 514 South Delaware avenue. Standard outside fire escape.

Apartment house, 914 Spruce street, \$880. Mutual Assurance Co. (O), 240 South Fourth street. John Baizley Iron Works (C), 514 South Delaware avenue. Standard fire escape.

Dwelling, 1122 North Thirty-ninth street, \$600. M. Kizer (O), on premises. J. Goschian (C), Philadelphia, Pa. Flush bulks.

Tenement house, Twenty-second and Montgomery avenue, \$2,500. Sarah Stover (O), 1927 North Twelfth street. Abner Spencer (C), 5449 North Twelfth street. Alterations.

Dwelling, 1625 Montrose street, \$330. Chas. Thomas (O), on premises. Robert Baile Co. (C), 813 South Nineteenth street. Hot water heating system.

Dwelling, 1719 West Norris street, \$890. Ester Greenfield (O), Seventh and McClellan streets. Jacob Newborn (C), 1731 North Eighth street. Repair fire damage.

Crane railway, Milnor and Bleigh streets, \$5,000. Philadelphia Steel and Forge Co., on premises. Belmont Iron Works (C), Twenty-second and Washington avenue.

Dwelling, 336 Spruce street, \$500. Mr. Walter (O), on premises. N. Blumenthal (C), 313 Spruce street. Rear addition, 1 story, brick, 14x11 feet, slag roof.

Store and dwelling, 1715 North Eleventh street, \$330. Harry Holtzman (O), on premises. Harry Glass (C), 1809 North Seventh street. Flush bulks.

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NOTES ON CONCRETE

Mixing.

If the concrete is to be mixed by hand, a level, watertight platform large enough so that two men using square-pointed shovels can work upon it at one time, is needed. No more concrete should be mixed at one time than can be placed within thirty minutes after mixing. If from any cause a portion of the batch is unused and begins to stiffen, such concrete should be thrown away, and be retempered by adding water and remixing. Proportioning is usually done by volume. One cubic foot is a convenient unity and 1 sack of Portland cement (94 pounds net) is considered as 1 cubic foot. A bottomless box of 1 cubic foot capacity is convenient for measuring sand and pebbles, or broken stone, so that correct volumes of these may be combined with each other and with the cement.

When used, the measuring box is set on a mixing platform, and after the required amount of sand has been shoveled in and measured, the box is an even layer on the mixing platform. Next the cement, which need not be measured as each sack may be considered as 1 cubic foot, is spread in an even layer on top of the sand, after which the two should be turned two or more times by using square-pointed shovels until the streaks of brown and gray have merged into a uniform color. Pebbles, or broken stone, first thoroughly wet, are then measured and then spread in a layer in the mixed cement and sand and all of the materials again mixed by turning with shovels. Then a depression or hollow is shoveled in the center of the pile and water added, preferably by a spray from a hose, while two or more men turn the materials with shovels, adding water while this is being done until the cement, sand and pebbles have been thoroughly and uniformly mixed to the desired consistency. This will usually require three turnings after the water has been added.

Machine Mixing.

Concrete mixers have been highly perfected and there are many types now on the market. Batch mixers, regardless of the type of drum, permit materials to be introduced in any order desired. After the materials have been placed in the drum, it should be given a few revolutions to thoroughly mix the materials in the dry state. Then the required amount of water should be added and the drum revolved for a specified time, or a specified number of revolutions, either of which should represent a period of mixing for at least one minute. Most batch mixers have attached to them a water tank by means of which a measured quantity of water for each batch may be added to the dry materials. Care should be taken not to place more materials in the drum than recommended by the manufacturer,

otherwise thorough mixing cannot be accomplished, nor should the mixer drum be revolved too rapidly, for that would cause the materials to cling to the inner surface of the drum rather than be tumbled about and thoroughly mixed. The materials for a batch should not measure in volume more than one-third of the full capacity of the mixer drum.

Mixers of the continuous type consist principally of a number of hoppers for the several materials—cement, sand and pebbles, or broken stone—and a semicircular trough containing blades or shovels fixed upon a revolving shaft. Dry materials are automatically fed from the hoppers to the discharging end, water being added while the materials are in the process of traveling along the trough. Concrete is therefore discharged continuously. Most engineers prefer mixers of the batch type because the measuring of materials can be positively regulated, while with a continuous mixer a variation in the amount of moisture in the sand or in the fluffiness of the cement will cause considerable variation in the relative proportions of these materials in a mixture.

Quantity of Water to Use.

For most classes of construction the correct amount of water in a concrete mixture is that which will make a concrete of quaky or jelly-like consistency. Less water is sometimes used for foundation concrete, where the wall is not to enclose a cellar or basement, that is, need not be watertight, but the quaky consistency is preferable wherever possible to use it. Such concrete, when placed in a pile, will tend to gradually flatten out of its own weight and when placed in forms, will settle to all parts of them with a small amount of puddling or spading rather than tamping. The mortar for surfaces of floors, where two-course construction is used, should be mixed with enough water so that it will work easily under the trowel. Such a mixture should be stiffer than would be described by the word "quaky." It would be necessary to scrape it from wheelbarrows when handling. An excess of water should always be avoided. Concrete block, brick and similar concrete products usually manufactured by machine, should be made of concrete just as wet as possible for the particular machine. In such work it is a general rule to use as much water as will permit quick removal of the mold, yet not sufficient so that the product will not retain its shape after the mold has been removed. It always must be remembered that the bonding action of cement in concrete depends upon the chemical changes produced by the water combining with the cement. Too little water prevents this action from being complete, and is therefore almost as objectionable as too little cement.

Cleanliness.

There have been many confusing opinions advanced as to the effect of clay, loam and similar foreign material in concrete mixtures. Engineers are, however, fairly in accord on certain conclusions. If clay exists as a coating on the particles of aggregate, it is undoubtedly injurious, because it will prevent a proper adhesion or bond of the cement. Laboratory tests have shown that the presence of from 5 to 10 per cent. of the clay may not be objectionable, but as laboratory results cannot always nor generally be obtained in field work, it is much safer not to use sand and pebbles containing even a small percentage of clay or other foreign matter. If such matter is present the sand and pebbles should be washed.

A coating of vegetable matter on the sand grains appears not only to prevent the cement from adhering to the surface of the particles, but often affects it chemically. A quantity of vegetable matter so small as to be impossible of detection by the eye, may prevent the mortar from ever acquiring any considerable strength. Concrete made with such sand usually hardens slowly.—"National Builder."

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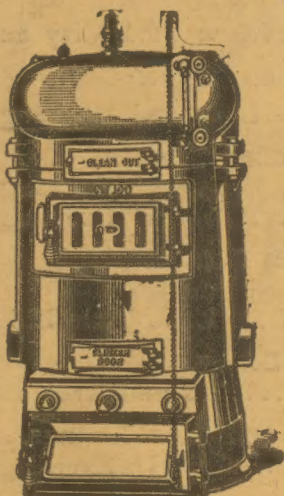
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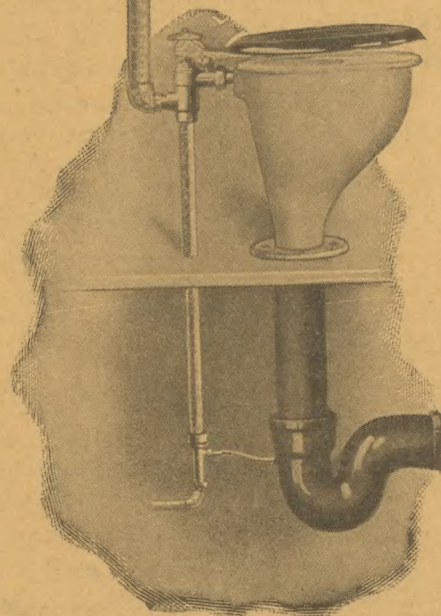
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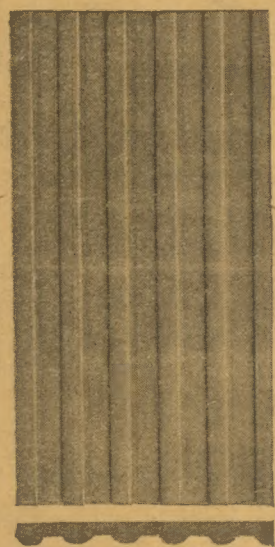


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